5	SEQUENCE LENGTH:205 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01321	acid				
	SEQUENCE DESCRIPTION: GATCAGTGCT CTCTATTGAT CTTGAAAGAC TTGTAGATGT CTNAGTTTGT AAATTGTCCT AAAANCACTG TTGNCANTAA	GTGATGTTCA TTTGATACCA	GGCACAGGAT	GCTGNAAGTA	TGTTACTATT	
15	SEQ ID NO:1176 SEQUENCE LENGTH:203 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01322	acid				
20	SEQUENCE DESCRIPTION: GATCTCAGCC ATAAAGTGCC TGCTCTGGGG ATGCACGGCG GGACAGGGTC TTGCAAGCAG ATAAATTAAG TTTTATTTGG	GCAGGGTGGG CCTCCTGGGC	GGAGGGAGGT	TCCTCGCAGG	TCTCAGCCCG	
25	SEQ ID NO:1177 SEQUENCE LENGTH:203 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
30	CLONE: HUMGSO1323 SEQUENCE DESCRIPTION: GATCAAAATG AAACAAATAT CTCTATAAAC TCAGACCTAC					60 120
35	TTTGTTGTTG ATGTATTTAA ATATTAATAT ACCTTTGGTC		TGTCTCAATT	CTCATTTTCA	AAGAATCAAT	180 203
	SEQ ID NO:1178 SEQUENCE LENGTH:202 SEQUENCE TYPE:nucleic	acid				
40	TOPOLOGY:linear CLONE:HUMGSO1324 SEQUENCE DESCRIPTION:					
45	GATCGCTCTT GTGTTTTTGC AAGGGTCTCA ACAGGCTATT ATTTTCAAAT CAAAAAGTAC ATATTCCGCT TCTATAGGCA	TGGAATGAGT AGCAGGAGCC	TCTCTTTTAA	GGCCTTCAAC	GTAGTNNGAC	
50	SEQ ID NO:1179 SEQUENCE LENGTH:211					

	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS01325					
5	SEQUENCE DESCRIPTION:					
J	GATCAGCTGA AGGTTCATGG	GTTTTAAGTG	CTTGTGGCTC	ACTGAAGCTT	AAGTTAGGAT	60
	TTCNTTGCAA TGAGTAGAAT					
	CTTGTATAAT GTAACCATTT					
	CAATAAACTG AAAAGAGCCA				0.00.100	211
10						211
	SEQ ID NO:1180					
	SEQUENCE LENGTH: 199					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear	uciu				
15	CLONE: HUMGS01326					
	SEQUENCE DESCRIPTION:					
	GATCCCAGGG TGCAAAGTGG	CATTGAGACA	GCAGCAACAG	CTCAAGAGAT	ATCTCCTCCC	60
	TACTTGCCCC TCCTTCCAGG					
20	CAGGNCCTTG GGTTCTGGGG					
	GCATGTCCCG CCCNNTAAA	ATTUGCCCCT	UNUNUUUCIA	diccididde	IUNANAINAA	199
	deviateced eccuniavy					133
	SEQ ID NO:1181					
0.5	SEQUENCE LENGTH: 199					
25	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	acru		•		
	CLONE: HUMGS 01327					
	SEQUENCE DESCRIPTION:					
30	GATCTTTTT TGGATATTTA	TACTTTTAGA	TATATAGTAC	CTTTAAGTAG.	CAGTATGGGA	60
	CAAGGCTTGT AAATGTTTTG					
	CAAATCTAAC TTTGCACAAG					
	AAATAAAAAT AACCTTAAA					199
35						
33	SEQ ID NO:1182					
	SEQUENCE LENGTH: 252					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
40	CLONE: HUMGS01328					
	SEQUENCE DESCRIPTION:					
	GATCTGGACA GCTGTCCCTC	CACTACAGAA	ACCTCACAGA	ACACAGCAAA	GNATAAGTGC	60
	ANGAAGGCTG CTTCCAGCTC	CAAAGCACCT	ANGAATGGAG	GTAAAGCGAA	GGATTCAGCA	120
45	ANGACAGCAG AGGAAACTTC	CANGCCAAAA	GNTGACTAAA	GNAGTACAGG	TTANGGTATC	180
	TGGTATCTGC ATGTAGANTC	TTCAGCTGGT	GGATGGTGAC	TTTTGAAGTA	CNAAAGGCTT	240
	TGGCAACNGN AN					252
	SEQ ID NO:1183					
50	SEQUENCE LENGTH: 197					

5	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01329 SEQUENCE DESCRIPTION: GATCTAGGGA GTTACCTAGC		CACTGACGTG	<b>ATCCTACACC</b>	<u> የ</u> ርምድር የ ላ ው	60
10	TTCCTTGTCA TTGAGCTATT ATNACTCTTG TTCATAGAGG CTGTGGATGT TGACAAA	TTACAGTTCT	GTGAATTGTA	AAGAACTGAG	GGTAATGCGA	120
15	SEQ ID NO:1184 SEQUENCE LENGTH:146 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01330 SEQUENCE DESCRIPTION:	acid				
20	GATCATAGCT ACTACTTCAT ATACCTGAAT GCATGAAAAA AAAATGCAAC TGTATTGCTG	ACTCCAAATA				
25	SEQ ID NO:1185 SEQUENCE LENGTH:197 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO1331	acid				
30	SEQUENCE DESCRIPTION: GATCCGGCTG CACACCAGGT CGGAGTCANG NACGCAGCCG CCAACGGGAA TAGGAAGAAT GGTGGTTTCA CAGGAAA	CAGCCNCNTT	CCTTCACACC	CCCTCACAGA	CTCCTTGTGT	
35	SEQ ID NO:1186 SEQUENCE LENGTH:196 SEQUENCE TYPE:nucleic	acid				
40	TOPOLOGY:linear CLONE:HUMGS01332 SEQUENCE DESCRIPTION:		**************************************	CTTT+T+T+TCT		60
45	GATCTCTTTG TGAACTCTGT TTGCTTATGT GGCATACAAT CAGTGGTACA CAGACATTCT TATCTGTCTT TACAAA	ATTTATAACT	ATAAACTTTA	TAGAAGTACA	GTATTAAAGT	120
50	SEQ ID NO:1187 SEQUENCE LENGTH:196 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				

	CLONE: HUMGS01333					
5	SEQUENCE DESCRIPTION: GATCTTCCCC ATTGTCCACT					60
	TGTCCTCCGT CCCTCAGCCC GACAAAGGTG CGTCCCTTCA					
	TTTGTACGAA TGTAAA	WI CITCICC	GIGGWGCICG	dddciiicid	INITIALGIA	196
						100
10	SEQ ID NO:1188					
	SEQUENCE LENGTH: 196					
	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acio				
15	CLONE: HUMGS01334					
75	SEQUENCE DESCRIPTION:					
	GATCTTCGGC CTCATTCTGA					60
	TTGCCTTTAG CTACCTTCTC GGTTTGAGAG TCGTAATTTA					
20	TAAAAAATTA AGCAAA	INTIMAMAN	Tuttuunct	IIIAAAIACA	IIIIImonan	196
	SEQ ID NO:1189					
•	SEQUENCE LENGTH: 193 SEQUENCE TYPE: nucleic					
25	TOPOLOGY: linear	acru				
	CLONE: HUMGS01335					
	SEQUENCE DESCRIPTION:				•	
30	GATCATGTGT GCACAATACT					60
30	TCTTTTTGCC TGTAAAATAT GTNTCTCAAG GCTGCTGTCT					
	CTTGTCCTGC AAA	TIMIONGONO	TAMO TABLETA	MITTGITTO	IICAGIIGIA	193
35	SEQ ID NO:1190					
	SEQUENCE LENGTH: 192 SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear	acru				
	CLONE: HUMGS01336					
40	SEQUENCE DESCRIPTION:					
	GATCCTGTGT CCTAAATTAA TCAGATGCTG TTTACGGATA					60
	CTTCCCCATT CCCAACTCCA					
45	TGGNCTTTTA AA					192
				•		
	SEQ ID NO:1191					
	SEQUENCE LENGTH: 189 SEQUENCE TYPE: nucleic	acid				
50	TOPOLOGY: linear					
	CLONE: HUNGS01337					

5	SEQUENCE DESCRIPTION: GATCAGTGCC TTGATGCCAA CTAAGGAAAT TTGTTTAGCA TTGAATCTCT GAAGGCTCTA 60 TGAAAGGAAT AGCATGATGT GCTGTTAGAA TCAGATGTTA CTGCTAAAAT TTACATGTTG 120 TGATGTAAAT TGTGTAGAAA ACCATTAAAT CATTCAAAAT AATAAACTAT TTTTATTAGA 180 GAATGTAAA
10	SEQ ID NO:1192  SEQUENCE LENGTH:189  SEQUENCE TYPE:nucleic acid  TOPOLOGY:linear  CLONE:HUMGSO1338  SEQUENCE DESCRIPTION:
15	GATCAAATTT TTGTAAAATT TTTTAAGAAG AGATGGCTTA TTAACAGGGA AGAAGCTTGT 60 NATATTCCAG TTGTAAGAAT AGCCTTAGTG TTTAGATTTT TTNATGATAG GNNAGATGCG 120 GNCATCACTG GGATATTTNC AAATCCCAAG GNCATCAGAG TGAAGTGTCA GTTGTCAGAT 180 GATTTNNAN 189
20	SEQ ID NO:1193 SEQUENCE LENGTH:188 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO1339
30	SEQUENCE DESCRIPTION:  GATCCCAGCC AGGCCCTGGA GGTCTGACAG CCCCTCCCTC CCAGAGCTGG TTCCTCCCTG 60  GGAGGGCAAC TTCAGGGCTG GCCACCCCCC GTGTTCCCCA TCCTCAGTTG AAGTTTGATG 120  AATTNANGTC GGGCCTCTAT GCCAACTGGT TCCTTTTGTT CTCAATAAAT GTTGGGTTTG 180  GTAATAAA
35	SEQ ID NO:1194 SEQUENCE LENGTH:187 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO1340 SEQUENCE DESCRIPTION:
40	GATCTGAATG ATACTGTCTG CTGTGTCTTT TTTCCATGAG AAATCACTGT TGCAAATTGC 60 CTATAAATTG ACTCTACTAA AATAACAATG TTTCAGTCTG AAAATTTGAA TTGAAAAAAA 120 TGTATAATAT AAAATTGTAA TACACTCAAA TGATTATAAA AGTAAAAGTT GGTAATTTAG 180 GCAGAAA 187
45	SEQ ID NO:1195 SEQUENCE LENGTH:187 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
50	CLONE:HUMGSO1341 SEQUENCE DESCRIPTION:

5	GATCAGGGGG GAAATGGAAT TCACTGTGTG AAATGTGGAC AATCCAGACC NTTATATAAA TTTTAAA	TTGGTATGAC	CTGACTGTCC	AATTTTCAAG	ATGAACCAGA	
. 10	SEQ ID NO:1196 SEQUENCE LENGTH:186 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO1342 SEQUENCE DESCRIPTION:	acid				
15	GATCACTTAA TTCCTTTCTT AGCTGTTTCG TTTGAATATA NCCTAGATTT GAGTCAAACT NTTAAA	TTACTGGAAT	GAGTTGCAGG	NAATGCAGCA	NACTTGTTTC	
20	SEQ ID NO:1197 SEQUENCE LENGTH:186 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01343	acid				
25	SEQUENCE DESCRIPTION: GATCTTTTTA ATGACAGTAC ATAGACCTTC GCTTTATTTT CTTGATTTCA CCATTGTCGG	TGTAAGTATC	ACCTGCCACC	ATGTTTTGTA	ATTTGAGGGT	180
30	CTTAAA					186
35	SEQ ID NO:1198 SEQUENCE LENGTH:186 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01344 SEQUENCE DESCRIPTION:	acid				
40	GATCTTCAGG TATTTTAAAT TTTTTGTGGT GCAAGAAGTT TCCATCTTTG GTGGCTCTAA AACAAA	TCTTATGTAA	ATNCAGGGTA	TGGATAAGCT	AATTAAGATA	
45	SEQ ID NO:1199 SEQUENCE LENGTH:184 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
50	CLONE:HUMGS01345 SEQUENCE DESCRIPTION: GATCTAAACA CGAGGAAACA	TTATTCATTG	GAAAAGTGCA	TGGTGTGTAT	TTNAGGGATT	60

	ATNAGCTTCT TTCAAGGGCT TGTAACCAAG AAATTTCCAT GAAA					
5						
10	SEQ ID NO:1200 SEQUENCE LENGTH:183 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01346 SEQUENCE DESCRIPTION:	acid				
15	GATCGCCCGC CCCAGCCCGG GCAGTGAGGG ATGCCGCAAC GTCTGTNTCA AATACTGTGC AAA	CTCGACTTCT	CAGCCTCCTG	GGGTTCCGCC	GGCCAACACT	
20	SEQ ID NO:1201 SEQUENCE LENGTH:184 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
25	CLONE:HUMGS01347 SEQUENCE DESCRIPTION: GATCTCTGCT CAGCTTCCCT TCCAGTACCC TCTCATGGCA CCCTGCTCGG AAGGGTTNGC CAAA	TAGGNTGCAA	CCCAGCAGAG	GGCAGCTAGA	TGGACATTTC	120
30	SEQ ID NO:1202 SEQUENCE LENGTH:183 SEQUENCE TYPE:nucleic	acid				
35	TOPOLOGY:linear CLONE:HUMGS01348 SEQUENCE DESCRIPTION: GATCCCCTTT GGTTTTACTA	CCCAAATCTA	AATAGATACT	TTTGATAATA	GATAACTGCT	60
40	CTTTTACTAA GACATAGTCT AGCAATTTTG TATCCATTTA AAA	CTACCTATAG	AAATGTATTT	TGAAAACACT	TATTTTACAC	
45	SEQ ID NO:1203 SEQUENCE LENGTH:183 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01349 SEQUENCE DESCRIPTION:	acid				
50	GATCTCATTC TCCCTTTTTA TAGTTCTCCA GGAGAACTTG					

	AACAAATTAA AACTAAATAT CTAAACCTTG TATACAGACA TTAAAATTAG TGAGAGAAAC 1 AAA 1	80 83
5	SEQ ID NO:1204 SEQUENCE LENGTH:183 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01350	
10	SEQUENCE DESCRIPTION: GATCTGCTTT TNCTATTTCT CCCAACCAAA TCCTCTTAAA GACCCTTTGC TATGTAGTCT CATGGTCTAG CATGCATCTT GTAGAAACAA GGCATNCTGG CAGATTGCAG GGTTGAGATG 12 TGTTTTATCT GTTTTATATT TTAAAAGATT CTGCCAGAAA ATAAAACCAG ACCTTGTTCT 18	60 20 80
13	SEQ ID NO:1205 SEQUENCE LENGTH:183	,,
20	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01351 SEQUENCE DESCRIPTION:	
25	GATCTGAATA GAGAAATGCT TACAGATAAT CATTAGCCCA CATACCAGTA ACTTATACTT 6 AAAGATGGGA TGGAGTTGTA AAGTGCTTTT ATAATACAAT ATAATTGTTA AAGGCAAGGG 12 TTGACTCTTT GTTTTATTTT GACATGGCAT GTCCTGAAAT AAATATTGAT TCAATATGGC 18 AAA 18	0
30	SEQ ID NO:1206 SEQUENCE LENGTH:182 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01352	
35	SEQUENCE DESCRIPTION:  GATCCTTGGG GGCCAGGGTG AAGGGTATTT TACGGGAACT CTATAAAGCA GGAAGAAGCA 6  AGTTTATTCT TTAGACCAGT AGCTCTCAAC CATGATGTGG TCGTATATTT ATGGGTCAAC 12  ATGTGTTGTG GGGATATCCC AAGTAACTTG TTATTAATAA AAGTTAAGTT	0
40	10	_
45	SEQ ID NO:1207 SEQUENCE LENGTH:182 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01353 SEQUENCE DESCRIPTION:	-
	GATCAAAATT GAAGACACAT TCAGAGGTTT GATTGGTTGA GATTAACTGG TGTGGTGGTT 60 GGTGTATGTA TGTTTNATTT TNATGTCTTT GTATGTAGTT CTACATAATG CAAATTGTGC 120	
50	TTTCTGATGG ACAAGACCTC ATAACTGTGA TTAATATCAA TAAAAAGGGG ATGTTGTGGA 100	

	AA	182
5	SEQ ID NO:1208 SEQUENCE LENGTH:183 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
10	CLONE:HUMGS01354 SEQUENCE DESCRIPTION: GATCCGTCAA TCTTGGGTGG AATNATTGTN CGCATTGGCG AGAAATATGT TGACATGTCT GTCAAGACCA AGATTCAGAA GCTGGGCAGG GCTATGCGGG AGATTGTCTA AAAGTGTTGG TTTTCTGCCA TCAGTGAAAA TTCTTAAACT TGGAGCAACA ATAAANAGCT TCCAGAACAG AAA	
15	SEQ ID NO:1209 SEQUENCE LENGTH:180 SEQUENCE TYPE:nucleic acid	
20	TOPOLOGY:linear CLONE:HUMGSO1355 SEQUENCE DESCRIPTION: GATCATGTTA TATTCTATAT CAGACAAACT ATTTTNTTTT GACCTTTCTT CCCCTCCATC CAGTATTTCG GTTGATTTCA TTTTCTCCCC TCTCTTCCCC TTCCACGAAC TGCAATACCA	
25	GTAACCTTGG TATATATTTT TTGATACTGT ACACATGGAT GTNTTGTTTC TATGTGCAAA	
30	SEQ ID NO:1210 SEQUENCE LENGTH:180 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO1356	
35	SEQUENCE DESCRIPTION: GATCAAAGAT TCTCCCCATC TCACAGACAA GGAAACTNAG GCCAGAGGGA GGAGAGAATT GCTCATGGCT CCANAACTGG TGGCAAGTTT CTCTGGACTC TTAGGTTTAT TTTNAATATG AAATATAAAA NCAGTTTCAA ATATCTNATT GAGGGAGANG TAAAACCTTA TTTAANCAAA	120
40	SEQ ID NO:1211 SEQUENCE LENGTH:179 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01357	
45	SEQUENCE DESCRIPTION: GATCTATAAA ATGGAAGGTG ACCAATGTCA CTGCTTCTAA AATACTGTCC TAAACAACCC AGAAGATTTT ATTTCAGCTC ATGAATAGCT GTTCTAAATC TGTTGTATGT TAGACATACT ATGAACTACC TCTTCACTTA TTATGGGGAA GTTTCCTTAA TAAAAGTGTG ACGATTAAA	
	SEQ ID NO:1212	

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50

SEQUENCE LENGTH: 179

5	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01358	acid				
	SEQUENCE DESCRIPTION: GATCCAAGAC CAGGGNGGTT GACCGTGACC ATCTTTTGG GGGCTGAGGC CCCCAGCTGC	CGGGAGTNCT	CACCGCCTCA	TTCACCATCT	GGAAGAAGAT	
10	UUUCTUAUUC CCCCAUCTUC	MIIGUACIGI	HIHIMCCHC	CULUMUINU	UUCAIIIIN	179
70	SEQ ID NO:1213					
	SEQUENCE LENGTH: 178					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
15	CLONE: HUMGS01359					
	SEQUENCE DESCRIPTION:					
	GATCTGAGAT GTTCCTTAAC	ATGTAGCCAT	GTAATTAGAA	CTCACAAGGG	GCATTGAAAT	60
	NTTTTCCTTT TTCANATAGT	CTGGGGCTAT	TTACTTATTT	NAAGTAAGCC	AAGTCTACCA	120
20	TTTGAAAAAT GGTGCTTTAT	TTCCATATCT	GANGCCTGAN	GTTATTTNNN	AGTTTGTN	178
	SEQ ID NO:1214					
	SEQUENCE LENGTH: 178					
25	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS01360				•	
	SEQUENCE DESCRIPTION:	<i>ር ነ ር ር ሞሞሞ ነ ሞሞ</i>	1007717110	TT+CTC+TCT	<i>ርጥ</i> አ <b>ጥሶጥጥጥ</b> አር	60
30	GATCTGGCAT CCNCAGGCTG CAGCAGGCTC TGTATTGTTG					
30	AATAATTAGT TTTNAATNAC					178
	MITATIAN TITALIAN	ATAMOMINUCO	Idilidolal	tudanaanna	AIAGAIGH	110
	SEQ ID NO: 1215					
25	SEQUENCE LENGTH: 176					
35	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS01361					
	SEQUENCE DESCRIPTION:					
40	GATCAAAGAG GTTATCTCTG					60
	GAGCCCTCCT GGACTGTTTC					
	ACTATGCCTC GGTTTATTTA	TCATTTTGAA	ATAAAATCAA	AATTTCAACU	TGTAAA	176
	SEQ ID NO:1216					
45	SEQUENCE LENGTH: 176					
	SEQUENCE TYPE:nucleic	acid .				
	TOPOLOGY:linear					
	CLONE: HUMGS01362					
50	SEQUENCE DESCRIPTION:					
	GATCAAAACA ATTACCTAAT	TGCAAAAGAG	AAACTGAAAT	GGAACATAGT	CTCANATTCT	60

	NCTAATGTGT ATCTCACAAT GTCATGTAAT GTAAAGNAAA CCCTTTTGGA ATTAGAATTC 120 TTGTNCTGAA TGCTGAACTA TTTGGTAATA AAGTGCTTAT NTGCAGATAA CAGAAA 176	
5		
	SEQ ID NO:1217	
	SEQUENCE LENGTH:175	
	SEQUENCE TYPE: nucleic acid	
10	TOPOLOGY:linear CLONE:HUMGS01363	
70	SEQUENCE DESCRIPTION:	
	GATCTGTGCT GGGGAACAAA GCTTTTGCAG TACCTTATAT TGTAGTTAAA ATTTTATTTA 60	)
	ACATATECTT CAGTGAGETE ATTTCACACT GTAGECTETT CETTAAAATT TGTGGTGETE 120	
	CTGTAACAGT AAGANCTAAT TCTGAAATAA AAGACATCTC CTAATGCTGT GCAAA 175	
15		
	SEQ ID NO:1218	
	SEQUENCE LENGTH: 174	
	SEQUENCE TYPE: nucleic acid	
20	TOPOLOGY:linear	
	CLONE: HUMGS01364	
	SEQUENCE DESCRIPTION:  GATCAGGATA ATAATCTGCT TAGTAAGAGA AACAATTTGA ATTTTAGAAG GAAATTGCCT 60	^
	GATCAGGATA ATAATCTGCT TAGTAAGAGA AACAATTTGA ATTTTAGAAG GAAATTGCCT 60 TACCATTTGC AAATTAAGGT AATTAAAATA CAGTGAATTT CAAAATGCCT TTTTAATGAC 120	-
25	AATGTGTGAA CTTAATTTGT TTTAATAAAC CAAAATTGTT GTTATTGTGT TAAA 170	
•	ARIGIGIDAR CITARITIGI IIIAAIAAAC CAAAATIGII GIIATIGIGI IAMA	•
	SEQ ID NO:1219	
	SEQUENCE LENGTH: 174	
30	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS01365	
	SEQUENCE DESCRIPTION:	_
35	GATCTGAGCA GGCAAAGCTC AAAAGAGAGT TTGGAGGTTA AAAATAATTT ATTTTTGCAG 6	
	TAGTGTGCTT TGAAATGTGT AAATCTTATT TCTAATGTAT ACAACCACAT TTCACATAAA 12	
	AATATGCAAT TTATATGCCA GATAAAAATA AAACAAGTGA ATTTGCAAGT GAAA 17	7
	SEQ ID NO:1220	
40	SEQUENCE LENGTH: 173	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS01366	
45	SEQUENCE DESCRIPTION:	
	GATCAACATG ATGGTGACTG GGAAAAAATT ACTTCAAGTA ACATGCTTAG CTTTCCCTCC 6	
	TTAATGTGAA AAATCAAGGG CTTACTGACA TAGGAACAAC AGAAATGCTC CTGGAACTTC 12	
	AAGTTGCTGA ATTATAAGTT TATTTTTNAT CAATAAATAT NNNNATACTN AAA 17	J <b>3</b>
50	SEQ ID NO:1221	
	SEQUENCE LENGTH: 216	
	== <del></del>	

	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01367 SEQUENCE DESCRIPTION:	acid				
5	GATCCATATT TAGTTTTATT CTCATGAATT TNATTCTGT CAGTTTAGTT CTGTAATGTC TTCATATTTG AAAAAGCTGG	TTGTCGATAA AAGAATTTAA	GAAATGTAAG GATTTAAAAA	AGTGGAATGT	TAATAAATTT	-
10		0.2	0117881			210
15	SEQ ID NO:1222 SEQUENCE LENGTH:173 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01368	acid				
	SEQUENCE DESCRIPTION:					
20	GATCGNCTCT GAACCATCCC TCTCGCACGT GGCAGGCAGG TGTAATGCAC TTTCGCTAAT	CAGAGAACTT	GCTGCACCTT	CTAGGAAATT	GCAATCGATT	
25	SEQ ID NO:1223 SEQUENCE LENGTH:179 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
30	CLONE: HUMGS01369 SEQUENCE DESCRIPTION: GATCTTAAGA GCAGACTTAA AAATCTTTAC ATTCAGAAAT GATAATNTCC TATTCTAAAA	NAGATACTGT	ATTATCAGAC	CAGGAGGCAT	TGCTGTGAAA	60 120 179
35	SEQ ID NO:1224 SEQUENCE LENGTH:172 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
40	CLONE:HUMGS01370 SEQUENCE DESCRIPTION: GATCCAAAAA TGGTAGCCAC AGAATTAATG TACACCTGTA TCCCAAACAG GATTAACTGT	TCATGTGTAG	GAAACCAGAA	ATGTGTTCCT	TATTTNTTGT	
45	SEQ ID NO:1225 SEQUENCE LENGTH:179 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
50	CLONE: HUMGSO1371 SEQUENCE DESCRIPTION:					

	GATCAGCATG AGGACAGAAG G	GCAGGAGACT	TTGGTCAGTT	ACCTGGGAAT	TCTGGGCTGC	60
	CAGGAAACGA TTTGGGCCTC 1	TGTCAGTTTC	TTTTCCATGT	ATGAGGAGGG	GGAAATTTGT	120
	ATATTAGAAA CTTATTCATC C	CCACTCAGGA	CAATAAAAAC	GAATGTACAA	AAAGCCAAA	179
5						
	SEQ ID NO:1226					
	SEQUENCE LENGTH: 175					
	SEQUENCE TYPE:nucleic a	acid				
	TOPOLOGY: linear					
10	CLONE: HUMGS01372					
	SEQUENCE DESCRIPTION:					
	GATCACAGTG GCCACGNCCA G	GCCACAGTC	ATGGTGGCCA	CGTCCACAGC	CACTAATCAG	60
	NAGNCCAGGC CACCCTGCCT C	CTACCCAACC	AGGGCCCCGN	GGCCTGTTAT	GTCAAACTNT	120
15	CTTGGCTGTG GGNCTAGGGA C	CTGGGGCCAA	ATAAAGTCTC	TTCCTCCAAG,	TNAAA	175
	SEQ ID NO:1227					
	SEQUENCE LENGTH: 318					
	SEQUENCE TYPE:nucleic a	acid				
20	TOPOLOGY:linear					
	CLONE: HUMGS01373					
	SEQUENCE DESCRIPTION:					
	GATCTTTAAT CTCATGAAGT A	ACGACAGCTA	CAGCCGCTTC	TTAAAGTCTG	ACTTGTTTTT	60
25	AAAACACAAG CGAACCGAGG A	AAGAGGAAGA	AGATTTGCCT	GATGCTCAAA	CTGCAGCTAA	120
	AAGAGCTTCC AGAATTTATA A	ACACATGAGC	CCCCAAAAAG	CCGGGACTGG	CAGCTTTAAG	180
	AAGCAAAGGA ATTTCCTCTC A	AGGACCGTGC	CGGGTTTATC	ATTGCTTTGT	TATTTGTAAG	240
	GACTGAAATG TACAAAACCC 1	TTCAATGGGA	TGTGTGTTTT	ATTAACTGCT	TCACCAGTAA	300
	ATTTTGCATG ATGGGCTN					318
30						
	SEQ ID NO:1228					
	SEQUENCE LENGTH: 171			_		
	SEQUENCE TYPE: nucleic a	acid		•		
35	TOPOLOGY:linear					
	CLONE: HUMGS01374					
	SEQUENCE DESCRIPTION:					
	GATCTGGAAG AGGCTTGTNA (					
40	GTAATCTCCC TGGATTAAGG (					
40	GCCACGGCCT AAATAGGAAT	NCCCTGGATT	GTGGGNANGT	GGGCGNAAGT	N	171
	SEQ ID NO:1229					
	SEQUENCE LENGTH: 170					
45	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS 01375			•		
	SEQUENCE DESCRIPTION:					
50	GATCTGATGG TTTTAAAAAG					60
50	CATCCATGTA AGATGTGACT	TGCTCCTCCT	TGCCATCTGC	CATGATGTGA	GGCTTCCCCA	120

	GCCACGTGGA ACTGTAAGTC	CAATTAAACC	TCTTTTCTTT	GTAAATTAAA		170
5	SEQ ID NO:1230 SEQUENCE LENGTH:170 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01377	acid				
10	SEQUENCE DESCRIPTION: GATCCATGGT GTTAGAAGCC TCCTGGAGTG CTGGTCTACC CCAGACTCCC TGTTGGAGAT	TCATCTGGGT	GTTGATTTCA	TGAGTATTGT	CAGTTTGTTT	
15	SEQ ID NO:1231 SEQUENCE LENGTH:170 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
20	CLONE: HUMGSO1378 SEQUENCE DESCRIPTION: GATCCATCAC AAAGCGAAGT TTACTGTAAT AGTGTGCTGT TGTACTGTAA TTTGATGTAC	TCATGGAAAC	CGAGGGCTGC	ATCTTGTTTA		
25	SEQ ID NO:1232					
30	SEQUENCE LENGTH:168 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01379 SEQUENCE DESCRIPTION: GATCTGGGAT GGAATATGGT		CCCTTTC 4 CC	ርጥጥር አጥጥርጥ	CTCTCTCAGG	60
	ACTACTACTT TTTAATTACT GAGGGTTATT TATATACATT	TTTCACTTAA	TTTCCCAATA	CTGATGAAAT		
35	SEQ ID NO:1233 SEQUENCE LENGTH:167					
40	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01380 SEQUENCE DESCRIPTION:	acid				
45	GATCTAGAGA ACATAACAAA GTAAGTGCTT TGACCTATTT ATTGNACCCT TCACCAGCAC	TTTTTAAAAA	AAAAAAAACC	TGTNTTAATT		60 120 167
	SEQ ID NO:1234 SEQUENCE LENGTH:167					
50	SEQUENCE TYPE:nucleic	acid				

5	TOPOLOGY:linear CLONE:HUMGS01381 SEQUENCE DESCRIPTION: GATCAAGCCA TCGGAGCTGC TAGAGTTCTG TCTGGACTTT CCAGAGACCA GTATTCCCTT 60 TTGCTGCCTC TAAAAGGCCT GTCCCTGCAG ACATGAGAGA CAGCAGGTCT CATGGGGGTG 120 ACAAGCTTTT TTTTTTTTN TAAANGATTT TCNAAANNNA ANTNCCN 167
10	SEQ ID NO:1235 SEQUENCE LENGTH:167 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
15	CLONE:HUMGS01382  SEQUENCE DESCRIPTION: GATCTTTTGT CTTCCAGTCT TCTCTTAGTG TCCTGCTCCT AGGTTTCCCT CTCTTCTGGT 60 TCTTCTCCCA GGTATTCTC TCCCAGGCCT CTCTGGCCAC TGCTTTGTAT CAGGGTTTTT 120 CACGCTTTTG TAGAACTGAG GTTTCAATAA ACAGTTTCAG TTGCAAA 167
20	SEQ ID NO:1236 SEQUENCE LENGTH:167 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
25	CLONE: HUMGS01383 SEQUENCE DESCRIPTION: GATCCTCCAG CCCACCACCA CATAGTAATC ACTGACACTG TGGGGTGTCT CAGCTGGGGT 60 TCTGCTGTGT GTGTGTGTAT TTNACAAAAT ATGTATGGTT TCTGTTCAGC TCTTTTCAGT 120
30	SEQ ID NO:1237
35	SEQUENCE LENGTH:171 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01384 SEQUENCE DESCRIPTION:
40	GATCCATCAG TAATGTAGCT AGCTGTAGAG CTTGCAACTT AATAGCAGCA GCTGCCCAAT 60 GCCATGTNAA GTAACAAACT GGTTTTTGGT TTTTTTTTC CCCTTCAGTT TAAATGTNAT 120 GTGNAATGTA TTAAAACCCT TATTTAAATA AANCTTGTTT TCAGAAATAA A 171
45	SEQ ID NO:1238 SEQUENCE LENGTH:166 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01385
50	SEQUENCE DESCRIPTION:  GATCTGGGGT TGGGTCATGA CACCAGCTAC CAATTINAGA ATATTATICC INGGITICIT 60  TATGAAAAAT GGGTGCTAGT GGTAATTCCT INGTGGCTTA GTAAACTACT CINTGGATGA 120

	TTTCCAAACA TTCAAAGCCA	ATAGCCTNGT	NATNAACAAG	ANATTN		166
	SEQ ID NO:1239					
5	SEQUENCE LENGTH: 165					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS01386					
	SEQUENCE DESCRIPTION:					
10	GATCAAAACC CAGCAGAGTG	CAAGCAGCAG	TGAAGCAGGA	TGGTCTACCT	TCTGCTTCCC	60
	TGGAAAGGAT GAATTTACAT					
	GCTTGTTTTT GTTTTTGCAG	CTAAAATAAA	AATTTCAAAT	ACAAA		165
15	SEQ ID NO:1240					
	SEQUENCE LENGTH: 165					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS01387				•	
20	SEQUENCE DESCRIPTION:					
	GATCTGTCTG TGTTGTTATA	TATTCTTTTA	TGCATACTTA	AAGTTAAAGG	GTTTTATCCA	60
	CTGTCATTTC AATTGGATAA	CATTTTGTCA	AGTTTTTTT	TCCTGATTAT	TTGATGTAGC	120
	TGGATTCAAG AATGGATTGC	CTNATCAATA	AAGAATATTT	AGAAA		165
25						
	SEQ ID NO:1241					
	SEQUENCE LENGTH: 166					
	SEQUENCE TYPE:nucleic	acid				
30	TOPOLOGY: linear					
	CLONE: HUNGS01388					
	SEQUENCE DESCRIPTION:	amaaam.m.a		#0##.co.co	amaamacam	
	GATCCTATTT TGGGCCTGGG					
	GCAGACTGCC TTGTACTCCC				ATTICATAAA	
35	ATTCTTTGAA GTCCAATAAA	GCAIGIAGGA	GATTTTAACC	AUIAAA		166
	SEQ ID NO:1242					
	SEQUENCE LENGTH: 164					
	SEQUENCE TYPE: nucleic	acid				
40	TOPOLOGY: linear					
	CLONE: HUMGS01389					
	SEQUENCE DESCRIPTION:		•			
	GATCAAAGGN CAAAAGACCA	AAAATCAGCG	GGCTGAGGAT	GGAGCACAGC	CATGAACCTG	60
45	CTCACGACAA GACGCACCCA	TGCTTCTCAG	GGTCAAGGCT	TTATGTTAAA	GCTTCCTGTC	120
	GGGGCTGCTA GGTCAGCATT	AAAGTAAGGC	AACCAACAGT	NAAA		164
	SEQ ID NO:1243					
	SEQUENCE LENGTH: 163					
50	SEQUENCE TYPE muchaic	anid				

5	TOPOLOGY:linear CLONE:HUMGS01390 SEQUENCE DESCRIPTION: GATCTGCTCA GTAATATAAT TTGCCATTTT TATTAGAAAT TTAATTTCTT CATGTGATGT 6 CATGAAACTG TACATACTGC AGTGTGAATT TTTTTGTTTT GTTTTTTAAT CTTTTAGTGT 12 TTACTTCCTG CAGTGAATTT GAATAAATGA GAAAAAATGC AAA 16	
10	SEQ ID NO:1244 SEQUENCE LENGTH:163 SEQUENCE TYPE:nucleic acid	,
15	TOPOLOGY:linear CLONE:HUMGS01391 SEQUENCE DESCRIPTION:	
	GATCTGGATT TGCTTTACCT TGTTAATATT ATCTAGGGGA AAAAGTGCAA ATTGCTCCAT 6 GTTCTTCTCT CCCTTATGTA ACATCTCCTG AGGGTGTTTA GTTGCATGGC TGTTCAGAAA 12 GGTATTAAGG GCTTAGGCCA AATCTTACTT TGAGTATGTT AAA 16	0
20 .	SEQ ID NO:1245 SEQUENCE LENGTH:162 SEQUENCE TYPE:nucleic acid	
25	TOPOLOGY:linear CLONE:HUNGS01392 SEQUENCE DESCRIPTION: GATCGTCAAA AAGAGAACCA AGAAATTCAT CCGGCACCAG TCAGACCGAT ATGTCAAAAT 60	n
30	CAAGCGTAAC TGGTGGAAACCA AGAAATTCAT CCGGCACCAG TCAGACCGAT ATGTCAAAAAT 60 CAAGCGTAAC TGGTGGAAAC CCAGAGGCAT TGACAACAGG GTTCATAGAA GGTTCAAGGG 120 CCAGGTCTTG ATATGATGCC CAGCATTGGT TATAGGNGCA AA 162	0
	SEQ ID NO:1246 SEQUENCE LENGTH:197 SEQUENCE TYPE:nucleic acid	
35	TOPOLOGY:linear CLONE:HUMGS01393 SEQUENCE DESCRIPTION: GATCTGGAAG TGAACACAGT TTATGTACAG GGAAAAGGAT TTTATTATCC TTAGGAATGT 60	
40	CATCCAAGAC TGAACACAGT TTATGTACAG GGAAAAGGAT TTTATTATCC TTAGGAATGT 60 CATCCAAGAC GTAGAGCTTG AATGTGACGT TATTTAAAAA CAACAACAAA GAAGGCAGAG 120 CCAGGATATA ACTAGAAAAA GGATGTCTTT TTTTTTTTTT	0
45	SEQ ID NO:1247 SEQUENCE LENGTH:160 SEQUENCE TYPE:nucleic acid	
50	TOPOLOGY: linear CLONE: HUMGS01394 SEQUENCE DESCRIPTION:	_
50	GATCTCAATG CCAATCCTCC ATTCTTCCTC TCCAGATATT TTTGGGAGTG ACAAACATTC 60	)

	TCTCATCCTA CTTAGCCTAC CTAGATTTCT CATGACGAGT TAATGCATGT CCGTGGTTGG 1 GTGCACCTGT AGTTCTGTTT ATTGGTCAGT GGAAATGAAA 1	20 60
5	SEQ ID NO:1248	
	SEQUENCE LENGTH:160 SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
10	CLONE: HUMGS01395	
	SEQUENCE DESCRIPTION:	
	GATCTGAAAA TCGACCTCAA CTCAAGGGTG GTCAGCTCAA TGCTACACAG AGCACGGACT E TTTGGATTCT TTGCAGTACT TTGAATTTAT TTTTCTACCT ATATATGTTT TATATGCTGC 12	0
	TOCTOORGE BRILLIANDER LONGERCHON CO.	:U :0
15	To the state of th	U
	SEQ ID NO:1249	
	SEQUENCE LENGTH: 159	
	SEQUENCE TYPE:nucleic acid	
20	TOPOLOGY:linear .CLONE:HUMGS01396	
	SEQUENCE DESCRIPTION:	
	CATCHOO AND ACCREDIANCE THE CALCED AND ACCREDIANCE AND ACCREDI	0
25	TTATTGTAAT ATGTACTAGT CTGTGAACAA TGTCAAATAA AAGAGAACGA ACAGGTAGTT 12	
25	TGGTGGAGCT GAGCTAGTGT ACAATACACT AGTTGTAAA 15	
	SEQ ID NO:1250	
	SEQUENCE LENGTH: 159	
30	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
	CLONE:HUMGS01397 SEQUENCE DESCRIPTION:	
	CAMCTECCIA MECANICALIA CAMPINA	0
35	CAGCTGTGTC ATTGCCACCT AGTGGTAAAA CTAACATTAC TGTTAAGCTG TGTGATTTTA 12	-
	AACTTGAATC CCCAGTAAAN GGTTCACTGT TCTGTGAAA 15	
	SEQ ID NO:1251	
40	SEQUENCE LENGTH: 159	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS01398	
45	SEQUENCE DESCRIPTION: GATCCCTCTG AGAGTTGATG AGGATGTGTA ACAAGTATTT NCTTCTATNG TGCCTGCCAG 6	^
	GGCTGAAGCT GCCTGGTATC CAGGAGGGGA ATGCTGGTAT CCCCATATGN CTGTNTTTGT 12	0 ი
	TTGAGATTTT TAATAAA TAATAAATTT TTGAAGAAA 15	
50	SEQ ID NO:1252	
	SEQUENCE LENGTH: 158	

	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01400 SEQUENCE DESCRIPTION:
5	GATCCTATTC TTGTAAAAAT ATTTGTATGT ATGCACAGAA ATCTGCAAAG ATGTACACTT 60 AGTGAACTGG TTACCAACGA ATGGTGGGAC TAACTAAAAT GGTCTTTTTA CTTATATGTG 120 CATTTCTTTT TATAATAAAA ATGGGTTATA TGCCTAAA 158
10	SEQ ID NO:1253 SEQUENCE LENGTH:158 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01401
15	SEQUENCE DESCRIPTION: GATCTGCCCT GTGTTATCCA GTTATGAGAT AAAAAATGAA TATAAGAGTG CTTGTCATTA 60 TAAAAGTTTC CTTTTTTATT CTCTCAAGCC ACCAGCTGCC AGCCACCAGC AGCCAGCTGC 120
20	CAGCCTAGCT TTTNCCCNTT TTTTTTTTT NNNCNNTN 158
	SEQ ID NO:1254 SEQUENCE LENGTH:157 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
25 <sub>.</sub>	CLONE:HUMGS01402 SEQUENCE DESCRIPTION: GATCTCAATC TTCGGGGTGT GATGAATAGC GAATCATCTC AAATCCTTGA GCACTCAGTC 60
30	TAGTGAAGAT GTTGTCATTA TGTACAATAC ATAACTAGTT TAATTAACTA TGTGATGTTA 120 ACTATTATTA ATAAATTTTA ACATTTTCCA AAATAAA 157
35	SEQ ID NO:1255 SEQUENCE LENGTH:157 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01403 SEQUENCE DESCRIPTION:
40	GATCCGGATG NGGGGAGCTC TGTACAGAGG GCTGGTGATT GTAAAAATTT CTTTTGTAAA 60 GTAGAAGTTG GGGGTGGGGT GGGTGCTGGC TGCAAAAATT TCTGGCTTCT CTTACCCCTA 120 TTGCCCCCGG CAATAAATTG TTTCTATATG CCAGAAA 157
45	SEQ ID NO:1256 SEQUENCE LENGTH:160 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01404
50	SEQUENCE DESCRIPTION: GATCTTATTT GGAATTGACA TTCTCTATTG TAATTTTNTT CCTGTTTATT TTTAAATTTN 60

	CTTTTTGTTT CACTGGAAAG GAAAGATGAT GCTCAGTTTT AAACGTTAAA AGTGTACA TTGCTTTGTT ACAATAAAAC TAAATGTGTA CACAAAGAAA	AG 120 160
5	SEQ ID NO:1257 SEQUENCE LENGTH:156	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY:linear	
10	CLONE: HUMGS01405	
70	SEQUENCE DESCRIPTION:	
	GATCTTTGTN CTTGACCTCT AGACCCCAAG ATGTGAACAG TGCACGTTTT AATGTCATC	
	TTNCTCATGT GTTATAAGCC CCAAGTTGCT GTATATTTNC ACAAGTATGT CTACACAC'GTCATGATTT TNATAATAAA TAACGATAAA TCGAAA	
15	GIONIUNIII IMAINAINNA INNCUNINNA ICUANA	156
7.5	SEQ ID NO:1258	
	SEQUENCE LENGTH: 155	
	SEQUENCE TYPE: nucleic acid	
20	TOPOLOGY:linear	
20	CLONE: HUNGS01406	
	SEQUENCE DESCRIPTION:	
	GATCTTGCTC TGATTATAAT GCCAGTGAAT GTTGCTGAAC TCTTTGTATA TGCAAATTG AAGATTTAAA CCATTCTGAT GCAAGGATAA ACCTTTACTT TGACTACCAG CCTGTGTTT	
25	TGTCTTTAAA TCTCTTAATT TCATTCCTCT GCAAA	155
	SEQ ID NO:1259	
	SEQUENCE LENGTH: 155	
	SEQUENCE TYPE:nucleic acid	,
30	TOPOLOGY: linear	
	CLONE: HUMGS01407	
	SEQUENCE DESCRIPTION:	
	GATCTGCACT CCCACTCCCC CCACACTTCC CAAAGTGCTG GGATTACAGG CATAAGCCA	
35	AAGCCACCTC ACCCAGCCAA CATGTTACAT CTTAATTCTT GGATTTTCTT CACTGCAGG CTTTGGGTGG AGAAATAAAA CTCTTCAAAT GCAAA	
	OTTIGOGICA NORMINARA CICIICARAI GUARA	155
	SEQ ID NO:1260	
40	SEQUENCE LENGTH: 155	
40	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY:linear	
	CLONE: HUMGS01408	
45	SEQUENCE DESCRIPTION: GATCTGGGAG TGCTGGACGT CATCTTCCAC CNCACCCAGC CGTGGGTCTT CTCCTCGGG	C 60
45	GCAGACGGGA CTGTCCGCCT CTTCACCTAG CTGTTCTGCC TGCCTGGGGC TGGGGTGGT	
	GTGCTGAAGT CAACAGAGCC TTTACCCTGT GCAAA	155
	CPO ID NO. 1001	
50	SEQ ID NO:1261 SEQUENCE LENGTH:158	

5	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO1409 SEQUENCE DESCRIPTION: GATCTTGGAG GCCAGCCAGC TGACCTGGAG CAGGTGAAGC CAGTGTGTAA ATAAAGCTCT	TGAAGGAGAC GTTCCACCTA	CTTNTTCAGC			60 120 158
	ONGIGIALINI RIMMOTOL	IIIdocacco	CCAGGAAA			130
10	SEQ ID NO:1262 SEQUENCE LENGTH:151					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
15	CLONE: HUMGS01410		_			
	SEQUENCE DESCRIPTION:					
	GATCCATCAT NGATGTAAAA					
	TATGGAGGCA TGCATAACCT GTGCAATTAG ATTAAATCAT			TGTTGTAATT	TCAAATTTTT	
20	GIGCANITAG ATTAMATCAT	ANTGUNAUNA	Α .			151
	SEQ ID NO:1263					
	SEQUENCE LENGTH: 154					
	SEQUENCE TYPE:nucleic	acid				
25 .	TOPOLOGY: linear					
	CLONE: HUMGSO1411 SEQUENCE DESCRIPTION:					
	GATCTGATGG GTTTATCAGG	GGTTTCCACT	TTTGTTTCTT	CATTTTCTCT	TGCCACCAGC	60
	ATGTAAGAAG TGCCTTTGGT					
30	TGTAAGGCCA ATTAAACCTC	TTTTTCTTCC	CAAA			154
	SEQ ID NO:1264 SEQUENCE LENGTH:154					
	SEQUENCE TYPE:nucleic	acid				
35	TOPOLOGY: linear	acru				
	CLONE: HUMGS01412					
	SEQUENCE DESCRIPTION:					
40	GATCAGCACC TTGTATAGGA					60
40	TGCATATATG TCCTACTTCA TATCCTAAGC ATTTTAATAA			TACGAAAGAA	AGTCAATCTG	120 154
	TATOUTANUO ATTITANTAN	AAAULIAAAA	UAAA			174
	SEQ ID NO:1265					
45	SEQUENCE LENGTH: 153					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear CLONE: HUMGS01413					
	SEQUENCE DESCRIPTION:					
50	GATCCTGGCC TGAGAATTGA	GGGGAGGTGG	CCAGCCCGCA	GAGGTGGGGT	GCTGGGGCTG	60

	CATGATTTTN GCCCTGCGTC CGCTTTCAAA TTAAAATCGC			TCCCCTCTCA	TACATAAAAT	120 153
5	SEQ ID NO:1266					
-	SEQUENCE LENGTH: 163					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS01414					
10	SEQUENCE DESCRIPTION:					
	GATCCGAGTG AAGCCCCAGG					60
	CTGGGGCTTC AAGAACCTCC		=		ACAGTCCCTT	120
	TTTGGCCCTC ACATNCAATA	AANGTGACTG	ATANCACTGG	AAA		163
15						
	SEQ ID NO:1267					
	SEQUENCE LENGTH: 153					
	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid	•	•		
20	CLONE: HUMGS01415					
	SEQUENCE DESCRIPTION:					
	GATCTGGCAA CACGTTTTNN	TTGGAATATT	TGTGTTTTCT	TGAGGAGGTA	TAATTACTGT	60
*	ATCCTAGGTG TGÅATTTTTG					
25	TAATGTTTTT NGGCTGAAAA					153
23						
	SEQ ID NO:1268					
	SEQUENCE LENGTH: 152					
	SEQUENCE TYPE:nucleic	acid				
30	TOPOLOGY: linear				•	
	CLONE: HUMGS01416					
	SEQUENCE DESCRIPTION:					
	GATCATAAAT CAAGGAATGC					60
35	CAATCCTCCC GTAGAAGTAC			TTTGGACTTC	TGGCCTCAGA	
	ACTGTAAGAG AATAAATTTC	TATTGTTTTA	AA			152
	SEQ ID NO:1269					
	SEQUENCE LENGTH: 152					
40	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear	4014				
	CLONE: HUMGS01417					
	SEQUENCE DESCRIPTION:					
45	GATCAGACCA ACAGTGCTGT	TTCCCGGGAG	GAACACTTTT	TNATTNTTAC	CCTTTGCAGC	60
•	TCCCACCTTT AATCTGTTTT	ATACCTTGCT	TATTAAATNN	GCGCTTAAAT	NATTGAAATA	120
	ATGCTGNCTT AGTAGCAACT	AAAATGTGNC	TN			152
50	SEQ ID NO:1270					
	SEQUENCE LENGTH: 156					

5	SEQUENCE TYPE: nucleic TOPOLOGY: linear CLONE: HUMGSO1418 SEQUENCE DESCRIPTION:			0.000		
	GATCCCCCCT ACCCACCCA TGCTTCTCTA AGCTGGTGTT TGTGGCAATA AAGCTTGAAG	CCCATGCACA	GGGCCATTCA			
10	SEQ ID NO:1271 SEQUENCE LENGTH:151 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
15	CLONE: HUMGS01419 SEQUENCE DESCRIPTION:					
	GATCCTCTTC TCTCCAAATG GGGATTAACC GGGAGCTTGA AATGGCTGCA AAATAAATAC	AAATTTGTNT	TTGGTAACCT			60 120 151
20	SEQ ID NO:1272 SEQUENCE LENGTH:93 SEQUENCE TYPE:nucleic	acid				
25	TOPOLOGY:linear CLONE:HUMGS01420 SEQUENCE DESCRIPTION: GATCCTGGAG GACCCTGGGC	CCCAGGCCAG	CTCCCATCGC	TGGGGGACGG	TGAACGGCCA	60
30	TGTGTTAATG TTACGATGTT	TTTAAAAGAC	AAA			93
	SEQ ID NO:1273 SEQUENCE LENGTH:149 SEQUENCE TYPE:nucleic	acid				
35	TOPOLOGY:linear CLONE:HUMGS01421 SEQUENCE DESCRIPTION: GATCCCCTTT GTCAGTGGGG		1010CTC100	CCACACCCAC	CACCACAACC	60
40	CATCAAGATG GTCAAAGGGC ACTTAATAAA TTGGATTNAT	CTGCAGAGGG				60 120 149
45	SEQ ID NO:1274 SEQUENCE LENGTH:151 SEQUENCE TYPE:nucleic	acid				
45	TOPOLOGY:linear CLONE:HUMGS01422 SEQUENCE DESCRIPTION:					
50	GATCTCAACG TGCTGATATG ACAATAATGT GTGTGTGT					

	CAGATACAAT AAAAACTTAA	TTGTGATTAA	. A			151
5	SEQ ID NO:1275 SEQUENCE LENGTH:149 SEQUENCE TYPE:nucleic	acid				
10	TOPOLOGY: linear CLONE: HUMGS01423 SEQUENCE DESCRIPTION: GATCCTCCCT CTATTTTGCA	AACAGTCTGT	AAGTAACTNA	TAAAACTTTA	·AAATATGCAA	60
	ATTITAAAAT TATATAGTTT ATGAATAAAG GCTTTTTTAA	GATTTACTCA				
15	SEQ ID NO:1276 SEQUENCE LENGTH:254 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
20	CLONE:HUMGS01424 SEQUENCE DESCRIPTION: GATCCTACTC CTTTGGAGTA					60
25	GTTGGAATTT GAAAAAAAAA TTCCCTGACT ATTCAGGTGA ACTGATGTTA CTGGTCACCT AGANGAAAAA TAAA	ATACACAAAG	TTTGAAGTGT	TAACTTTTTC	TTTCCATTTC	180
20	SEQ ID NO:1277 SEQUENCE LENGTH:148					
30	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01426	acid				
35	SEQUENCE DESCRIPTION: GATCCTACTG TTGAGTTAGG GTAAACTCTA GATTACTGTG AATAAAAGTG GATTTTGTGG	TCAACCCAAT				
<b>40</b> .	SEQ ID NO:1278 SEQUENCE LENGTH:148 SEQUENCE TYPE:nucleic			-	·	
45	TOPOLOGY:linear CLONE:HUMGSO1427 SEQUENCE DESCRIPTION: GATCCACAGT GGAGTCTCAG	TAATTATATC	TCCTTGATTT	CTTCATTTNC	TCTTCTGCTA	60
	TAAAAGTAGA GATAATGTGT AAATCTNTTN TCTTTAAGTG		CATTTAGTGA	ACCAATTGTN	ATANTTCTGG	120 148
50	SEQ ID NO:1279					

5	SEQUENCE LENGTH:124 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01428
10	SEQUENCE DESCRIPTION: GATCCCAATC AGATTCCCGC TAATGGAAGA AGTTTAGAAT CTTTCAGGTG GAATAAAGTC 60 ACATGAAAAC AAAACACAAC TATATATATT TCCAGTTTTT TTGCCTTATT GATTTTTTNC 120 CAAA 124
15	SEQ ID NO:1280 SEQUENCE LENGTH:147 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
	CLONE:HUMGS01429 SEQUENCE DESCRIPTION: GATCTTTGGG GAGATACATC TTATAGAGTT AGAAATAGAA TCTGAATTTC TAAAGGGAGA 60
20	TTCTGGCTTG GGAAGTACAT GTAGGAGTTA ATCCCTGTGT AGACTGTTGT AAAGAAACTG 120 TTGAAAATAA AGAGAAGCAA TGTGAAA 147
	SEQ ID NO:1281 SEQUENCE LENGTH:147
25	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01430
30	SEQUENCE DESCRIPTION: GATCCTGACA CTAAGGAATG CTGAAGCTTT GGACTTCGGC AGTCTTCCAC CTTCAGTCAT 60 CAGCTACAGT TGGAATGAAT TTNAAAACGC TCGGGACCTG TTAATNTNTC CTGTAGNCTG 120 TATTATNTNA AAAATCTGGG CAACAAA 147
35	SEQ ID NO:1282 SEQUENCE LENGTH:147 SEQUENCE TYPE:nucleic acid
40	TOPOLOGY:linear CLONE:HUMGS01431 SEQUENCE DESCRIPTION: GATCTCGCTC CCCCCTTCGG TTCTTTCGAC CGGTCCCCCC TCCCTTTTTT GTTCTGTTTT 60 GTTTTGTTTT GCTACGAGTC CACATTCCTG TTTGTAATCC TTGGTTCGCC CGGTTTTCTG 120 TTTTCAGTAA AGTCTCGTTA CGCCAAA 147
45	SEQ ID NO:1283 SEQUENCE LENGTH:146 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
50	CLONE: HUNGS01432 SEQUENCE DESCRIPTION:

	GATCTCAGTT CCTGGCTTTC	CCCCCAGCCT	TCTCACCCTT	TGTGTCTGTG	TAGTGATTTG	60
	GTGAGAAATC GTTGCTGACC	CTTCCCCAGA	CCATTTATGA	GTCNAAGTTT	ATTATTCAAT	120
	AAAAGTGCTN TATGCGCTTT	CTCAAA				146
5						
	SEQ ID NO:1284					
	SEQUENCE LENGTH: 146					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
10	CLONE: HUMGS01433					
	SEQUENCE DESCRIPTION:					
	GATCCAAAGA TGAGGGGATT	NTTTCAGAAA	GACAATCTCG	GCATGCATTA	TTTCTTTNNT	60
	TTGAAGATTC ACTCATGTTG					120
15	TCTGTCATAT GCCTATCING	AATTNN				146
	SEQ ID NO:1285					
	SEQUENCE LENGTH: 167					
	SEQUENCE TYPE:nucleic	acid				
20	TOPOLOGY: linear					
	CLONE: HUMGS01434					
	SEQUENCE DESCRIPTION:					
	GATCCCCATG CTAAGAAAAT	GCCCAAAAAA	ATAGGCAAAA	CACGAGAAGA	GCTAGGGTAA	60
25	GAGAAGGACG TAAACAGAAC					
	CTATTAAATA AAATNATTTT	TGGAATAAAG	CTTGTGGGAA	CATTAAA		167
	SEQ ID NO:1286					
	SEQUENCE LENGTH: 179					
30	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS01435					
	SEQUENCE DESCRIPTION:					
35	GATCAAAAAG GCTTATAAAA	CAGAGTAATC	TTGTTGGTTC	ACNCTTGNGA	CCGTGAAGAT	60
	ACTTTGTATT GTCCTATTAG	TGTTATATGN	ACATNCAAAT	GCATCTTNCA	TGTGTTGTTC	120
	TTGGCAACAA ATTTTGAAAA	GTAATATTTA	TTAAATNTTT	TTGTATGCAA	ACATGCAAA	179
			•			
	SEQ ID NO:1287					
40	SEQUENCE LENGTH: 145					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear		•			
	CLONE: HUMGS01436					
45	SEQUENCE DESCRIPTION:					
	GATCCGATGG GAGTGTAAAT	GTGAGACACA	ATGTCTTGAT	TATACCTGTT	TGTGGTTTAG	60
	CTTTGTATTT AAATAAGGAA		AAATNATTTG	TCATCATAAA	AATGAAACAA	120
	ATNAAAATAT TTATTGCCAG	GCAAA				145
50						
50	SEQ ID NO:1288					

5	SEQUENCE LENGTH: 145 SEQUENCE TYPE: nucleic acid TOPOLOGY: linear CLONE: HUMGS01437
10	SEQUENCE DESCRIPTION:  GATCAGGGCA TGCAACCAAA AGCAGCTTAA ATGAAATATT TTAAAATAAA ATATCAGGAA 60 GCTATTTTTA GATTTCTNCT GGCTTATGTT TCTACTTTAG GACCCTCATT GTNCTCTTAT 120 TAAAAAAAAT TATTTCCTGT GCAAA 140
15	SEQ ID NO:1289 SEQUENCE LENGTH:145 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
	CLONE: HUMGS01438 SEQUENCE DESCRIPTION: GATCAGATTT TTTTTGTACC TACGTAAGAG TACTTGAAGT TTTATTTAAA ATAAAATGTT 60
20	GTGGAAAAGG TAGCATTCTT TTTTTAGGAG TGTTATTTTT CACTATGTGT GGCACGGATA 120 CAATAAAAGA CTTTTACAAA CTAAA 145
25	SEQ ID NO:1290 SEQUENCE LENGTH:145 SEQUENCE TYPE:nucleic acid
	TOPOLOGY:linear CLONE:HUNGS01439 SEQUENCE DESCRIPTION:
30	GATCCCAGGG CTCCCTGCCA TTTTAGTGTC TTGGTGTAGT GTAACCATTT AGTGGTTGGT 60 GCCATTTTTT TTTTTGTNCA AATGATTTAA ATNATTGGAA TNCACAATTT TTTAAATATN 120 CAAATAAAAN GTTTAAAACC TTAAA 145
35	SEQ ID NO:1291 SEQUENCE LENGTH:145 SEQUENCE TYPE:nucleic acid
40	TOPOLOGY:linear CLONE:HUMGS01440 SEQUENCE DESCRIPTION: GATCAGGAAT TCTAAATAAA TTTCCCAGTT AAAGATTATT GTGACTTCAC TGTATATAAA 60 CATATTTTTA TACTTTATTG AAAGGGGACA CCTGTACATT CTTCCATCAT CACTGTAAAG 120 ACAAATAAAT GATTATATTN ACAAA 145
45	SEQ ID NO:1292 SEQUENCE LENGTH:144 SEQUENCE TYPE:nucleic acid
50	TOPOLOGY:linear CLONE:HUMGS01441 SEQUENCE DESCRIPTION:

	GATCTGCCAG CACCCTGTGG CGGGTGCCGA GGAGCGGGAA GTGCCGTGTC CACGGGTGCA	GAGTTGCTGG				60 120 144
10	SEQ ID NO:1293 SEQUENCE LENGTH:144 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
15	CLONE: HUMGS01442 SEQUENCE DESCRIPTION: GATCTAAATA TTTTNNAGCT AAAAGCATCA TGTGGAAGAA TGAAATCTGT TTTACAACTA	TGGGAACTAT				
20	SEQ ID NO:1294 SEQUENCE LENGTH:372 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01443	acid				
25	SEQUENCE DESCRIPTION: GATCTTGGTA GTATCCCTGG ATTCACTTAA CAGCTCTTTT CTCTCCTCTC TGGTAGGTTT GGACTCCCGC TCCCNCCACC CCCTCCTCTG GGAATNGTAG GCTNAAAANG TGGGGGTAAN	GGGATTGGGT AATTTTATGC CCAAAGTTTG GCTGTAATAG	GTTTCATTCC TTTCCCTGAT TCTGTGGGTG GNTTAATAAA	ATTTCTGCCC TCCAGCTTTC TTATAGTGGT CTCNACNTNC	ACTCCCTCTC TGCTTCCTGA AACTGCAGTT TCTAATCNTT	180 240 300 360
35	GTTTANGGNA AA  SEQ ID NO:1295 SEQUENCE LENGTH:145 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01444 SEQUENCE DESCRIPTION:	acid				372
40	GATCTTCTCT GTGGGGGAAA TGGGCTCTGG GAACAGGGGA TAAAAGCGAG CTATTGCATT	CTACTTTGGG				60 120 145
45	SEQ ID NO:1296 SEQUENCE LENGTH:141 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO1445	acid				
50	SEQUENCE DESCRIPTION: GATCTTATAT CCTGTGACCT	GTCTAAATTC	AATCTGTTAG	TTTTATCATT	TTTTAAAAAA	60

	ATGTCCGTGT GTGTCTTCCT TGAGATTTTC TACATTATCA TGTCATCTGC ANATAAAGAC 120 ATTTACTTCT TTCTTTCCAA A 141
10	SEQ ID NO:1297 SEQUENCE LENGTH:141 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01446
15	SEQUENCE DESCRIPTION: GATCCAGTTG TACTAAGGTG TACAGGATAT TTGCAGATAT AGGTTAACTG AATGAAGCAT 60 ATTAATAACT GCATTTNCCT AACTTTGAAA AATTTTNCAA ATGTCTAGGT GATTTAAAAA 120 ATGAGATTGG GCTATTGCAA A 141
20	SEQ ID NO:1298 SEQUENCE LENGTH:140 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01447 SEQUENCE DESCRIPTION:
25	GATCTAAAAT AGATATGTTG GATTGATATT CTCACGTGTT CGGTGTGGAA AACAAAACAA
30	SEQ ID NO:1299 SEQUENCE LENGTH:140 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01448
35	SEQUENCE DESCRIPTION:  GATCCATAGA AGGGCTTCCC AAACCTTGTT TTGCAACATC CCAAATTGTC TCCAGTTGAA 60  GGAAGGCCTT TATCAGATTC ATAGATGAGC TTTCATTGTA AAAATAAATG TACTTTGCAC 120  CACTTCATGA TGGAGGGAAA 140
40	SEQ ID NO:1300 SEQUENCE LENGTH:140 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01449
45	SEQUENCE DESCRIPTION:  GATCTGAGGT TTTTAGATTT TAAATATTTA TGTGGAATTA ATTAAAGGTA GTTGGCTATA 60  TCGCTATCAT TTCATTCTTT TGACATTATT TGAATATTTT ACTGGAAAAT AAGACTAATA 120  AATTGTTAAA AGTTTTTAAA 140
50	SEQ ID NO:1301 SEQUENCE LENGTH:139

5	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01450 SEQUENCE DESCRIPTION:	
	GATCTTCACA AAGTTGTCTT TTCACTGTGT TTTGTCAACG TGAAATTAAA TTGTAGTTAT 60 AAGCAAAAGT TGGTTGCCTA GGGAACAATT GTATATNCAG TTTAACAGAA ATAAAAGAAT 120 ATTTGTCTTA AGATGCAAA 139	
10	SEQ ID NO:1302 SEQUENCE LENGTH:138 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
15	CLONE:HUMGS01451 SEQUENCE DESCRIPTION: GATCGNCACA TTTCCCAAAA ATAATAAAAA AATCACTAAC CTTTTTTAAG GAAAATATTT 60 AAAGTTTTAC AAAATTCAAT ATTGCAATNA TCAATGTAAA GTACATTNA NTGCCTTATN 120	
20	AAAACTTTCC CAATTAAA 138	
-	SEQ ID NO:1303 SEQUENCE LENGTH:137 SEQUENCE TYPE:nucleic acid	
25	TOPOLOGY:linear CLONE:HUMGSO1452 SEQUENCE DESCRIPTION: GATCATTITT TCGGTCTCCG AGGTGAAATG ACTTATTAAT TAAAATTTGT AAACTCACAT 60	
30	ATGCATATTG TATATGTGTA GAAATGTAAT CACACTTTGT CTTGGAATTA CATTAAACTG 120 TTTGAAATCA CTGTAAA 137	
35	SEQ ID NO:1304 SEQUENCE LENGTH:136 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01453 SEQUENCE DESCRIPTION	
40	GATCTTTTTG TGATTGCTTT CCCGTCTCTA AGTAGTATTC TGTTGTGTCT AGAGAACTGA 60 TTTTTTCCTA CATACGCAAA TTGTACATTT GTAAGTGAAA ATNTCAATAC ATTAAAAGCA 120 TTANCCTAAA ANCAAA 136	
45	SEQ ID NO:1305 SEQUENCE LENGTH:136 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01454 SEQUENCE DESCRIPTION:	
50	GATCAGCTGG GTTTTGGCCA GGAAGTTGTC TTTGTGGACT CTGCCTGCAT GGCTTAGTAG 60	

	TTGAAGGAAA TTTTTTTTTG GTTTTGTTTT TTATAATTCA GTTTAATCAA TAAACATGTA 12 TTTATTGACT GTTAAA 13	-
5	SEQ ID NO:1306 SEQUENCE LENGTH:136 SEQUENCE TYPE:nucleic acid	
10	TOPOLOGY:linear CLONE:HUMGS01455 SEQUENCE DESCRIPTION:	
15	GATCCCTTTA TGAGTTTTGC TATTTTGGCA TGCTACATGT AAGTTTTGCT TAATGTTTTT 6 ATGTAAAGCA TCTTCCTCCT TTTACTTCTT TTATTGTGAT AAAACTCATA TAAAATTGAC 12 CGTTTTGAAG TGTAAA 13	0
	SEQ ID NO:1307 SEQUENCE LENGTH:136 SEQUENCE TYPE:nucleic acid	
20	TOPOLOGY:linear CLONE:HUMGS01456 SEQUENCE DESCRIPTION:	
25	GATCTGGGCC CGACCCTCAC TACCCCTGAG ATATTAGTTC CCAGGCCTGT TTTCCCACAG 60 GATTGTGGGC TCTCTGCTTC CTTAGTCGGA AGTNTTTTCA ACTAATCAAA TAAATGAATG 120 AATGATGAAT AAGAAA 136	)
30	SEQ ID NO:1308 SEQUENCE LENGTH:135 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01457	
35	SEQUENCE DESCRIPTION: GATCCCAAAG ATATTAAATA TATGCAAATA TTCCAAAGTC TGAAAAAATC CAACATCCAA 60 AAACACTTCT GACCCAAGCA TTTCAGATAA GGGACCAGAA TTATTAGATT AAATAAGGTA 120 TATTATTAAG TTAAA 133	)
40	SEQ ID NO:1309 SEQUENCE LENGTH:135 SEQUENCE TYPE:nucleic acid	
45	TOPOLOGY:linear CLONE:HUNGSO1458 SEQUENCE DESCRIPTION: GATCAGGCCA AGAGGTTGCA CAGGGCATGA TACTGCACCC TGCCTGACCC AGCTGGGCTC 60 ACAGGTCAGG GGAGAGTTGG GGCAGGTGAA TGTCAGCATC AGGCTTCTNN TTTTAAACTT 120	
50	TTAAANAAAT ACAAA  SEQ ID NO:1310 SEQUENCE LENGTH:135	5

5	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01459 SEQUENCE DESCRIPTION:	acid				
	GATCCTGCCT CAAAAAAAAC AAGCAAAAGT TTCAGTACTA CAACTTTNGT NAATN					60 120 135
10						
	SEQ ID NO:1311					
	SEQUENCE LENGTH: 139					
	SEQUENCE TYPE:nucleic	acid				
15	TOPOLOGY: linear					
	CLONE: HUMGS01460					
	SEQUENCE DESCRIPTION:	<b>ጥርርር</b> ርዕ እስጥር ር	MATTCACATT	C 1 1 T C C C C 1 T	0.00000000	
	GATCTACCTG TGGCCCGGCC AGTGGCTCAT AGAGCGAGTA					60
•	CCTTATTTTC NTNTTTAAA	Idvaccetva	CIGIOGOCIA	GAAATNICCI	IAAIAAACAI	139
20	CCTTATTTIC MINITIAAA					109
	SEQ ID NO:1312			·	•	
	SEQUENCE LENGTH: 134					
	SEQUENCE TYPE:nucleic	acid				
25	TOPOLOGY:linear					
	CLONE: HUMGS01461					
	SEQUENCE DESCRIPTION:					
	GATCCTAGTA TGTTGATAGC	TTTNATTTTG	TGAGTGGTTT	ACTAGTCATT	TATTATGATT	60
30	CCCATGANCT CTGATATGAT	TCATTGTGGT	TTTAACTCAG	GTTGAATAAA	AGCATCCATT	120
	TCTTTTATAG GAAA					134
	SEQ ID NO:1313					
	SEQUENCE LENGTH: 237					
35	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS01462					
	SEQUENCE DESCRIPTION: GATCTCAAGG TTGATAGTGG	<b>ተ</b> ርተተር አርተል ር	CACACCTCCA	ATTCACACTA	ATAACTTCCA	60
40	TGTTAACACT GTTTACTGTT					
	GAGGATTTTC TCTGATTTTA					
	TATAAAATGA GCTTTCCTAA					237
		711111111111111111111111111111111111111			*********	20.
45	SEQ ID NO:1314					
	SEQUENCE LENGTH: 134					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS01463					
50	SEQUENCE DESCRIPTION:					

	GATCTATAGG TTTATTAGAA	NCCTNACCAC	AGNATCCAGA	TTATCTTCAG	TATTCTNTCA	60
	GTACAGCTCT CTGCAGCTTA	AACTCGGTGG	TACATAAAGA	AGATGATGAA	CCCAAAATGN	120
	TGGNCACTGT ATAN					134
5						
	SEQ ID NO:1315					
	SEQUENCE LENGTH: 133					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
10	CLONE: HUMGS01464					
	SEQUENCE DESCRIPTION:					
	GATCAGAAAA TCCCTCTGAC	ATCTCCACTG	CCCCCAAAGA	CCTCCGTTGA	ACATTCTGTA	60
	TGGAAAAGAG CCCTGGAGCA					
. 15	TGGCTCTCCC AAA					133
						100
	SEQ ID NO:1316					
	SEQUENCE LENGTH: 132					
	SEQUENCE TYPE:nucleic	acid				
20	TOPOLOGY: linear	doru				
	CLONE: HUMGS01466					
	SEQUENCE DESCRIPTION:					
	GATCTAGCTG GCTGTAGTAT	TGCNTTGATA	ATTTTTTTCT	TTTAATTTAC	CTAATATATA	60
25	TAAGGAAGGG GTTTGGATAT					
	CATCTCTTTA AA		0.01	inioimiiin	COLUMNICA	132
						102
	SEQ ID NO:1317					
	SEQUENCE LENGTH: 130					
30	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	4014				
	CLONE: HUMGS01467					
	SEQUENCE DESCRIPTION:			*		
35	GATCCAGCCA TTCCTGAAGC	CCACCCTGCA	CCTCATTCCA	ACTCCTACCG	CGATACAGAC	60
	CCACAGAGTG CCATCCCTGA					
	GAAGCACAAA	3.13.13.13	00110000.2.			130
						100
	SEQ ID NO:1318					
40	SEQUENCE LENGTH: 130					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS01468					
45	SEQUENCE DESCRIPTION:					
	GATCTAAAAG CCAACTTTTT	CTCAGTNTTA	CTCAGTGGAA	AGATAAACTA	AGTTTTAATG	60
	TTATNTTTTT AAATNTAAGC					
	CCACTGCAAA		-31911101111			130
50	SEQ ID NO:1319					

5	SEQUENCE LENGTH:129 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01469 SEQUENCE DESCRIPTION:	acid		
10	GATCCCCTGC TCCTGTTGTG TGCTGCCTAA CTTCCCTGTG AATTTGAAA			 60 120 129
15	SEQ ID NO:1320 SEQUENCE LENGTH:128 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01470 SEQUENCE DESCRIPTION:	acid .		
20	GATCAGAATT TTTAAAGCAG CACTTTTCAG ATTCTCAAAG TGGGCAAA			60 120 128
25	SEQ ID NO:1321 SEQUENCE LENGTH:128 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01471 SEQUENCE DESCRIPTION:	acid		
30	GATCCTTGTC AGATGAAAAT TATAGGTTTG AAAGGCTGTT AAAAGAAA			60 120 128
35	SEQ ID NO:1322 SEQUENCE LENGTH:128 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01472	acid		
40	SEQUENCE DESCRIPTION: GATCTCGAAG TNACTCCGGG TCAGGCTTTG GCCCTGCAAG CGTCGAAA			60 120 128
<b>4</b> 5	SEQ ID NO:1323 SEQUENCE LENGTH:129 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid		
50	CLONE: HUMGS01473 SEQUENCE DESCRIPTION:			

	GATCCTGAAG CNGCACTTAC	CTNTGAANAG	TCTTCAAACT	TTTAAACCTT	GCCAGTNAGG	60
	ACTITINCTA TIGCAAATAG	AAAACCCAAC	TCAACCTGCT	TAAGCAGAAA	TATTTAAATA	120
	TGATTCAAA					129
5						
	SEQ ID NO:1324					
	SEQUENCE LENGTH: 127					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
10	CLONE: HUMGS01474					
	SEQUENCE DESCRIPTION:					
	GATCTGTGAA GTTATTTTGT	AAGGACATAC	ATTTGGTAAG	TAAGTTTGTG	TCCCAGGAAA	60
	TGTATGTNTT TTTAAACCCT	TTCTAAATAT	GCAGGCCATT	AATAAATAAG	ATTGTTTCTT	120
15	CCCTAAA					127
	SEQ ID NO:1325					
	SEQUENCE LENGTH: 127					
	SEQUENCE TYPE:nucleic	acid			•	
20	TOPOLOGY: linear					
	CLONE: HUNGS 01475					
	SEQUENCE DESCRIPTION:					
	GATCAGAGAG ATTTTTNTTT	TAAACTACCA	TGGTCCCAGG	ATTCCATCCT	GAAATNAATT	60
25	TTCCTTTGTA TGAATATGTG	TAAATAATT	AAAAATAAAA	CTGTAAAANA	TTTGTNCGAA	120
	GAATAAA					127
	SEQ ID NO:1326					
	SEQUENCE LENGTH: 137					
30	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS01476					
	SEQUENCE DESCRIPTION:					
35	GATCCCCCTT CATTTGATGT					
	GATACCACAT AGTACTTTGG	TGTTACCTGC	TTTTGAAAAA	TAAAGTCTTT	GGTTCACCCG	120
	GTGAACTATT TATGAAA					137
40	SEQ ID NO:1327					
40	SEQUENCE LENGTH: 126	ė				
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS01477					
45	SEQUENCE DESCRIPTION:					
	GATCCTCAGC CTCCCAGTGG					
	ATTAAAACAG TGTCTCCAAT	TAAATAAAT	TTTTGCCCAT	TTCTTATTAA	AAAAACTTGT	
	TGTAAA					126
50						
30	SEQ ID NO:1328					

5	SEQUENCE LENGTH: 129 SEQUENCE TYPE: nucleic acid TOPOLOGY: linear CLONE: HUMGS01478 SEQUENCE DESCRIPTION:
10	GATCCATCTG TGTAGTTTCT GAACAGTCAG CGATTCCAGG TTTTAAATAG TTTGTAAATT 60 TTCAGTTTCT ACACACTTTA TCATCCNCTC GTGATTTTTT AATTAAAGCG TTTTAATTCC 120 TTTCTCAAA
15	SEQ ID NO:1329 SEQUENCE LENGTH:125 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01479 SEQUENCE DESCRIPTION:
20	GATCCATGCT TTACTGTGTT TAATGGGGGT AACAGGGGTC CCTACAGCCC TCCCAGCTAA 60 ACATTTGGAA CAAAACACCA GCCCTTTTGT AGTGGATGCA GAATAAAATT GTTAATCCAA 120 TCAAA 125
25	SEQ ID NO:1330  SEQUENCE LENGTH:124  SEQUENCE TYPE:nucleic acid  TOPOLOGY:linear  CLONE:HUMGS01481  SEQUENCE DESCRIPTION:  GATCTGTGTT GAAAGTNGTA TATTTTTATC TGTNCGGTGC TGAGTGCAGG CCACCAGCTC 60
	CTAAATAGAG GTTCCCTATA TGCGCGTATG ACATGGTGAA TAAACACAAC TCTCTCCACT 120 CAAA 124
35	SEQ ID NO:1331  SEQUENCE LENGTH:124  SEQUENCE TYPE:nucleic acid  TOPOLOGY:linear  CLONE:HUMGS01482
40	SEQUENCE DESCRIPTION: GATCGTTGTA ATTNNTTGAC ATTCCTTTNA GAAGTTGTGA AATGTTACAA CTTGTNCTTA 60 TGTAGACACA ATCTCCTGTC TCAGTACAGA GGCACTGACT TCAATAAAGT CTATTTATAC 120 TAAA 124
45	SEQ ID NO:1332 SEQUENCE LENGTH:129 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01483
50	SEQUENCE DESCRIPTION:

	GATCAAAAAA TGGAAATGTA TAATTAAATC ATACTTAGCA AATCTAACAC ATGAAATGTA 6 ACATCTGCAT ATGGAGAATC GTGTTACTTT ATTGAAAAAC ATTAAANGTT TGAGANCTTA 12 AGTTGGAAA	20
5	SEQ ID NO:1333 SEQUENCE LENGTH:122	
10	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01484 SEQUENCE DESCRIPTION:	
	GATCTGCCAA GATTCTTTGA ATACAGATAA TTAATGTAAA CAATTATCAT AAGTATACTA 6	_
15	ACATGTTATN CTTTTTAAAT AAGAAGGTAT AATAAAATAT CCCATTGGTT TNATGTATTA 12 AA 12	
	SEQ ID NO:1334	
	SEQUENCE LENGTH: 122 SEQUENCE TYPE: nucleic acid	
20	TOPOLOGY: linear	
	CLONE: HUMGSO1485 SEQUENCE DESCRIPTION:	
	GATCGGGCCN TTGGCTGTAA GACCCGACCC TTCGAGAACC CGANACGAAA CGCTCCATTA 60	_
25	CCACTGCNCA GTGAGATGAG GGACTCACAG TTCCAAGAGG NTTCTTTCCC GTGGNCCCCT 120 NN 122	
	SEQ ID NO:1335	
30	SEQUENCE LENGTH: 121 SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGSO1486 SEQUENCE DESCRIPTION:	
35	GATCCAACCC TGTACTGATA GTACTTCCCA GTATGATATT GTGATGTTTC ATACAATGCA 60	
	GTGAACATAA CCAACTTGTT ACCTAAATAA AGANTTGATA AAAACAGTGT GACATATTAA 120 A 121	
	SEQ ID NO:1336	•
40	SEQUENCE LENGTH: 120	
	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
	CLONE: HUMGS01487	
45	SEQUENCE DESCRIPTION:	
	GATCAAGGTC TGCAAGGGAA TTCTTGTGTG CTGCTTTCCA TTTGACACCG CAGTTCTGTT 60 CAGCCATCAG AAGAGAGACA AGGNATTAAA AATTTCTTTT TAATCNNGTT ACCAAATAAA 120	
	SEQ ID NO:1337	
50	SEQUENCE LENGTH: 119	

	SEQUENCE TYPE:nucleic acid
	TOPOLOGY: linear
<b>.</b>	CLONE: HUNGS01488
5	SEQUENCE DESCRIPTION:
	GATCTAGTAG GCACGTCTGT CAACAGGACA CATGCCTCCT CTGACTATAA CCTCTTAATA 60
	GTTGTGTATA ATGAAAACTG TAAACTTTTT TAAATAAACN GTGTATATAC CTTGGCAAA 119
	CPO ID NO 1000
10	SEQ ID NO:1338
	SEQUENCE LENGTH: 120
	SEQUENCE TYPE:nucleic acid
	TOPOLOGY: linear
15	CLONE: HUNGS01489
	SEQUENCE DESCRIPTION:
	GATCCTGAAG CCATGGTTTC TTCCCTGCCA GAAATGAAAG GTTCAGTTAT GAGGCAACCC 60
	TCTAGTAAGG CATTGTAAAA GTTACTGGAT TTGGTTTAAT AAAAGTTGAA ATAAAGTAAA 120
20	SEQ ID NO:1339
	SEQUENCE LENGTH: 322
	SEQUENCE TYPE:nucleic acid
	TOPOLOGY: linear
05	CLONE: HUMGS01490
25	SEQUENCE DESCRIPTION:
	GATCTTCCGA GTGCTTGGGG CCCACAGAGA CATCATCCTG GAGAGCATTC CCACTGACAA 60
	CCCAGAGGCG CACAGCAACC TCTACATCCT CACGGGCCAC CAGAGCACCT ACTAAGAGCA 120
	GCGGGCCTGT CCAGGGGCTC CCCGNCCCAC CCCACGCCTT AGCTGCAGGC CCTTTTGGGC 180
30	AAAGGGGCCC ATCCTGGGCC ATCCATTCCA TTTTGTTCCA CATTTCCTTT CTACTCTTTC 240
	TGCCAAGAGN CTGCCCCTGC ATTTGTCCTG GGAAACACGG TATTTAAGAG AGAACTATAT 300
	TGGTATTAAA GNTGGTTTGT TN 322
	SEQ ID NO:1340
35	SEQUENCE LENGTH: 118
	SEQUENCE TYPE: nucleic acid
	TOPOLOGY: linear
	CLONE: HUMGS01491
40	SEQUENCE DESCRIPTION:
	GATCTTTGGA GCAAAAGCCA ACGGCAGGAA AAAATAGTTT GTACCAGTTT CATGAAGTAT 60
	GTCTTTGGGT TTTTGTAAAT AATTTTAACT CAAATAAAAT TGCTACTTTC AATACAAA 118
45	SEQ ID NO:1341
	SEQUENCE LENGTH: 118
	SEQUENCE TYPE:nucleic acid
	TOPOLOGY: linear
	CLONE: HUMGS01492
50	SEQUENCE DESCRIPTION:
	GATCAGAATN AAATNIGIAT AGAGCAGAGI IITAAAAIGA AIGIAAAIAG CACIAAACGI 60

	NTNCTTTCTG CAACCTGTAG	TTACAGATTO	TCCCTGTAAA	CTAAATAAAA	AAAAANTN	118
5	SEQ ID NO:1342 SEQUENCE LENGTH:118 SEQUENCE TYPE:nucleic	anid				
10	TOPOLOGY: linear CLONE: HUMGSO1493 SEQUENCE DESCRIPTION:	acru				
	GATCACAAAA TGTGCATGAG AACCACTCTT TTTTTTCTTC					60 118
15	SEQ ID NO:1343 SEQUENCE LENGTH:118 SEQUENCE TYPE:nucleic	acid				
20	 TOPOLOGY:linear CLONE:HUMGS01494 SEQUENCE DESCRIPTION:					
	GATCAATTCA CTTAAAAGNA TCANTTTTTA AAAACATGTA					60 118
25	SEQ ID NO:1344 SEQUENCE LENGTH:117 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01495	acid	,			
30	SEQUENCE DESCRIPTION: GATCCCAGGA GAGCTGGGCT TTCTTTTGGT TCATTTCTGG					60 117
35	SEQ ID NO:1345 SEQUENCE LENGTH:119 SEQUENCE TYPE:nucleic	acid				
40	TOPOLOGY: linear CLONE: HUMGSO1496 SEQUENCE DESCRIPTION: GATCTTGAGG GACCCAACAT	TTGTAGGGGC	ACTAATCCAG	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	CCCCAGCTTC	60
	CAAACTTGAG GCCCACCATC					
<b>45</b>	SEQ ID NO:1346 SEQUENCE LENGTH:116 SEQUENCE TYPE:nucleic	acid				
50	TOPOLOGY:linear CLONE:HUMGSO1497 SEQUENCE DESCRIPTION: GATCAGATTT GGGTGGGAGA	AAGAAGTGGG	TATCAAGGGT	GATTTGAATT	TTCTGCAGCA	60

	TTAAAGTGGC GTTAATAAGA	TAAGTAATAA	TAAAGAATTC	TAACATCCAT	GTCAAA	116
5	SEQ ID NO:1347 SEQUENCE LENGTH:116 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
10	CLONE:HUMGS01498 SEQUENCE DESCRIPTION: GATCCGGTGG AAATCCAAGC AATACAAAAT ATAATNCTTT					60 116
15	SEQ ID NO:1348 SEQUENCE LENGTH:115 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01499	acid				
20	SEQUENCE DESCRIPTION: GATCTTCTCT ATGATTGATA GCTTCTCACC ATCCCCATTA					60 115
25	SEQ ID NO:1349 SEQUENCE LENGTH:118 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01500	acid				
30	SEQUENCE DESCRIPTION: GATCTTTTTG TAAAAGGACC TTAAAATTTA TTAGGNNTTT					60 118
35	SEQ ID NO:1350 SEQUENCE LENGTH:192 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01501	acid				
40	SEQUENCE DESCRIPTION: GATCCTATTT GTTTCATTTT TNGGTAAGTA AAAACAAATG TGCCTAGGCA GCAAAAAATA NAAANTNGNG NN	GTGTATTGCT	TTTCATACAA	GTGTTTTCAC	AAAAGCCATT	120
45	SEQ ID NO:1351 SEQUENCE LENGTH:115 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
50	CLONE · HUMGS 01502					

	anaunuan anaaninmiau					
	SEQUENCE DESCRIPTION:		*********	*************	10T100T011	co
	GATCTGTGGA CTTTCATCAN					
	ACAAAGTGAG AAAGGACAGG	TGTATTTTNN	TAAGTCATCA	AGATAAATCC	IIAAN	115
5						
	SEQ ID NO:1352					
	SEQUENCE LENGTH: 150					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
10	CLONE: HUMGS01503					
	SEQUENCE DESCRIPTION:					
	GATCTTAGTT TGTAGCTTAT					
	GGCGCCCAAA GCATTGTGGA	TTATTTTCCT	GTTTTGTCTT	TTTTTTTTTT	TTTTTTNAAG	120
15	CCATGNCANC CCNGANGGGG	CCAGNGANTN				150
	SEQ ID NO:1353					
	SEQUENCE LENGTH: 113					
	SEQUENCE TYPE:nucleic	acid				
20	TOPOLOGY: linear					
	CLONE: HUMGS01505					
	SEQUENCE DESCRIPTION:					
	GATCGNNAAG AGGTTACCCA	GACCACACAC	AGTTTGAGAA	AACATNCCCA	TTATNACCCA	60
25	TCTAGCAAAG AGGCACCCTA	AGTGGTCCAT	GAAGAGTTTA	ATTTTATNTT	AAN	113
	SEQ ID NO:1354					
	SEQUENCE LENGTH: 113					
	SEQUENCE TYPE: nucleic	acid				
30	TOPOLOGY:linear					
	CLONE: HUMGS01506					
	SEQUENCE DESCRIPTION:					
	GATCGGGTTT AGACGNNAGN	TCATTCAGTG	AAGCAAGCCA	AAAGCNCACA	TTTGTATGCC	60
35	TTAGGTCTTC TTAAAATGGT					113
	SEQ ID NO:1355					
	SEQUENCE LENGTH: 411					
	SEQUENCE TYPE:nucleic	acid				
40	TOPOLOGY:linear					
	CLONE: HUMGS01507					
	SEQUENCE DESCRIPTION:					
	GATCCTCCCT GCCCGCGAAG	TGNACAGTTT	ACAAAATTAT	TTTCTGCAAA	AAAGAAAAA	60
45	AAGTTAGGTT AAAAACCAAA	AAACTACATA	. TTTTATTATA	GAAAAAGTAT	TTTTTCTCCA	120
	CCAGACAAAT GGAAAAAAAG	AGGAAAGATT	AACTATTTGC	ACCGAAATGT	CTIGTTTTGT	180
	TGCGACATAG GAAAATAACO	AAGCACAAAG	TTATATTCCA	TCCTTTTTAC	TGATTTTTT	240
	TTCTTCTATC TGTTCCATCT	GCTGTATTCA	TTTNTCCAAT	CTCATGTCCA	. TTTTGGTGTG	300
	GGAGTCGGGG TAGGGGGTAC	TCTTGTCAAA	AGGCACATTO	GTGCATGTGT	GTTTGCTAGC	
50	TCACTTGTCC ATGANAATAT					411

5	SEQ ID NO:1356 SEQUENCE LENGTH:112 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO1508 SEQUENCE DESCRIPTION: GATCATGGTG TAATAAGACA GTTAAGAAGC TGTTGTACAT	TAACGTTTTT				60 112
15	SEQ ID NO:1357 SEQUENCE LENGTH:112 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO1509 SEQUENCE DESCRIPTION:					
20	GATCAAGTGC ATTTGACAGA TGGAGAAAAT NCCAAAATAA					60 112
25	SEQ ID NO:1358 SEQUENCE LENGTH:112 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO1510 SEQUENCE DESCRIPTION: GATCTGGGAA AAAAACAAGA CTNCNTTCTN AAAAANTATC	GACTCAATGG				60 112
30						
35	SEQ ID NO:1359 SEQUENCE LENGTH:112 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01511 SEQUENCE DESCRIPTION: GATCCTGGTT GGAGTAAACA GANTGCAGAA ACATCCTTAT	TTCCATGGGA				60 112
40	SEQ ID NO:1360					
45	SEQUENCE LENGTH: 112 SEQUENCE TYPE: nucleic TOPOLOGY: linear CLONE: HUMGS01512 SEQUENCE DESCRIPTION: GATCCATCAC CTGNGCAGCA		CNNCTCAGTC	ATCCACACAA	CACCAGGACT	60
50	TAAGACAAAT GGGACTCCCT					112
00						

	SEQ ID NO:1361 SEQUENCE LENGTH:111					
	SEQUENCE TYPE:nucleic	acid				
5	TOPOLOGY:linear CLONE:HUMGS01513					
	SEQUENCE DESCRIPTION:					
	GATCCCTTCA TTGATGTTTG	GAAATTCCAT	ATTACATTTT	GCACGATATG	GTACACATAG	60
	TACTTTGGTG TACCTGCTTT					111
10						
	SEQ ID NO:1362					
	SEQUENCE LENGTH: 111					
	SEQUENCE TYPE:nucleic	acid				
15	TOPOLOGY: linear					
	CLONE: HUMGSO1514 SEQUENCE DESCRIPTION:					
•	GATCAGAGAA TGCAGCAGCA	CTTTTTTCC	TNOTTTNOTT	ል <b>ቦ</b> ሮ ኔሮ <b>ተ</b> ፐፕ ኔ ፕ	TOTTTOANAG	60
	TTTAAAGAAA ATGGACTCAT					111
20		0011011011	011111111111111111111111111111111111111		••	•••
	SEQ ID NO:1363					
	SEQUENCE LENGTH: 111					
	SEQUENCE TYPE:nucleic	acid			-	
25	TOPOLOGY:linear					
	CLONE: HUMGS01515					
	SEQUENCE DESCRIPTION:					
	GATCGGGGC GTANATNCAT					
30	GGAAGTTGCA TAATTATTAT	TATNATTATN	ATAACANGTG	TGTCTTACGT	N	111
	CEO ID NO.1264					
	SEQ ID NO:1364 SEQUENCE LENGTH:110					
	SEQUENCE TYPE: nucleic	acid				
35	TOPOLOGY: linear	4014				
	CLONE: HUMGS01516					
	SEQUENCE DESCRIPTION:			4		
	GATCTCAAAA CAGTGCTAAA	ATCAAAGNTG	TNGACTGTAA	AGAAAAACAT	GTATATATAT	60
40	TGCACCTNAA AGTTGTCAGA	AGNTAGAAAC	TNAAATAAAC	TAACTTTAAA		110
40						
	SEQ ID NO:1365	,				
	SEQUENCE LENGTH: 109					
	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
45	CLONE: HUMGS01517	•				
	SEQUENCE DESCRIPTION:					
	GATCCCACGC CACAGCCTTT	TGNTNTGCAA	CTGCCTTCTT	CGGAAAGAAG	AAGTGGGAGG	60
	ATCTCAATTT TACTTCTCAC					100

5	SEQ ID NO:1366  SEQUENCE LENGTH:109  SEQUENCE TYPE:nucleic acid  TOPOLOGY:linear  CLONE:HUMGS01518  SEQUENCE DESCRIPTION:  GATCATGTAC TGAAGTAGTT TAAGCAGGCT GGCTAACTTA GACTNATTGA TTCTGCNTTT 60  GTACTNNAAT AGGGGTTATA ATTGTAAGAT AAAAATGTGT GTGTNCAAN 109
15	SEQ ID NO:1367 SEQUENCE LENGTH:236 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO1519 SEQUENCE DESCRIPTION:
	GATCTGGGGG TTTCTTCATA TTCCTGCTGT TGGAAGCAGT TGACCAGAAA TGCTTGNCAG 60
20	NACTGCCAAA GCACTGCTGT GAAATGTGAA GTACTTTGTT TTTTTATTTT TAATNATTTT 120
	CTTTTTGTTA TTAATATTTT TCTCTGTTCC TTTGTTATTA CTTGCATGGT TTGGCGTCAG 180
	AAGTCCTTAC CTCTTTATAT TGTTTGCAGG TTTAAATAAA ACAGTGTGGT GCCAAA 236
25	SEQ ID NO:1368  SEQUENCE LENGTH:108  SEQUENCE TYPE:nucleic acid  TOPOLOGY:linear  CLONE:HUMGS01520
30	SEQUENCE DESCRIPTION: GATCTTGAAG TTATTTTTAA GACATACATT TGGTAAGTAA GTTGGTCCCA GGAATGTATG 60 TNNTTNAAAC CCTTTCTAAA TATGCAGNCA TTAATAAATA ANATTGTN 108
35	SEQ ID NO:1369 SEQUENCE LENGTH:107 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
40	CLONE:HUMGS01521 SEQUENCE DESCRIPTION: GATCCAACCC AAATCAAATT GTTAAATGCC CTCTTGAATT TTTTTGTCTG TTATTTAATT 60 ATATGGTGGA ATTAATAATA AAATAAACTT CATGTCTCTG ATTCAAA 107
45	SEQ ID NO:1370 SEQUENCE LENGTH:107 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO1522
50	SEQUENCE DESCRIPTION:

	GATCTNGAGC TCTGTCTTCA GCAGATTTCA GGTGTAACAT TTGTTAACTC GTACTNGAAG 6 GTGTGTCCTC AAGAAGAAAG TNTTCAAATT AAAAAAGCTG CTGCAAA 10
5	SEQ ID NO:1371 SEQUENCE LENGTH:107
	SEQUENCE TYPE: nucleic acid
	TOPOLOGY:linear CLONE:HUMGS01523
10	SEQUENCE DESCRIPTION:
	GATCATGTAC ATTGTAACGT GTGTCGTCAG TACTGCAGTT CCTCAACTTT NTTTGTCTNT 60
	NATTACCATG ACATTTTTAA AGATACAGCT ATTTTNTCGA TGTNAAA 107
15	SEQ ID NO:1372
	SEQUENCE LENGTH: 286
	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
00	CLONE: HUMGS01524
20	SEQUENCE DESCRIPTION:
	GATCACATCT AAAGCTTTAT CTTTGTGTAA TCTAAGTATA TGTGAGAAAT CAGAATTGGC 60
	ATAATTTGTC TTAGTTGATA TTCAAGGCTT TAAAAGTCAT TATTCCTGGG CTTGGTAAGT 120
25	GAATTTATGA GATTTACTGC TCTAGAAAGT ATAGATGGCG AAAGGACCGT TTTGTATTGC 180 TTCCTGATTA CCAGTCTGAT TATACCATGT GTGCTAATAT ACTTTTTTTG TTATAGATTG 240
	TCTTAATGGT AGGTCAAGTA ATAAAAAAGA GATGAAATAA TTTAAA 286
	SEQ ID NO:1373
30	SEQUENCE LENGTH: 107
	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
	CLONE: HUMGS01525
	SEQUENCE DESCRIPTION:
35	GATCCGCGCA CCTAAGCCTC CCAAAGTNCT GGAATTACAG GCATGANCTA CCATNCCTGG 60
	CCTTCTAATG TTTTTCNTAA TTAAGGCTCT NAACTTCCAA GACTGTN 107
	SEQ ID NO:1374
40	SEQUENCE LENGTH: 106
	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
	CLONE: HUMGS01526
	SEQUENCE DESCRIPTION:
45	GATCTAGAGG NGAGAAAAAG ATGANTTGCT CCTTACATTC GATAATCAGT GACCACGAAA 60
	CACTCAGACC AGAGCCTGGC TTATCAAAAA CCTTNAGTGA GNNCTN 106
	SEQ ID NO:1375
50	SEQUENCE LENGTH: 106
	SEQUENCE TYPE: nucleic acid

5	TOPOLOGY:linear CLONE:HUMGS01527 SEQUENCE DESCRIPTION: GATCCACGTG CCATTGTGGA AATATCCCTT TTTAATTAGA			GTACTTATTT	60 106
10	SEQ ID NO:1376 SEQUENCE LENGTH:117 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01528	acid			
15	SEQUENCE DESCRIPTION: GATCCTGAGC TCCCTTTGCA TAAANGCCTC TGGTAGCAAT				60 117
20	SEQ ID NO:1377 SEQUENCE LENGTH:105 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01529	acid			
25	SEQUENCE DESCRIPTION: GATCCAGCAA ACAGGTTCTN TTCTTATTCA AAGCATCAAT			TAAAATGGAC	60 105
30	SEQ ID NO:1378 SEQUENCE LENGTH:105 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01530	acid			
35	SEQUENCE DESCRIPTION: GATCAGCAAA ATGAGATAAA ACTCAGCATT AAAAAGCTAT			ATCAGATACA	60 105
<b>40</b>	SEQ ID NO:1379 SEQUENCE LENGTH:105 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01531	acid			
45	SEQUENCE DESCRIPTION: GATCTAACAC GAGGAACATA CTTTCAAGGG CTAAGNTGCA			GTTATGAGTT	60 105
50	SEQ ID NO:1380 SEQUENCE LENGTH:105 SEQUENCE TYPE: Duclaic				
	ACMURACE TYPE DUCLATE	acid			

	TOPOLOGY: linear CLONE: HUMGS01532	
	SEQUENCE DESCRIPTION:	
5	CARCACCERA CARCAGONE CARRENGER CERCELOANN CROSS COMPANIA	60
•		05
	SEQ ID NO:1381	
10	SEQUENCE LENGTH: 332	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS01533 SEQUENCE DESCRIPTION:	
45	GATCGGTGCG TTCTCCTGAT GTTTTNCCNT GGCTTGGGGA TTGTACACGG GACCAGCTCA	60
15	CGTAATGCAT TGCCTGTAAC AATGTAATAA AAAGCCTCTT TCTTTTTGGG GTGGNNNTTG 1	
	TCCTTCTGTC AGCTAAAATG GGAGCTCATG AGAGAAGGAC GTCAGGGAAA CGGGGTTGAG 18	
	GGTGGTCTCG GTGCAGAGAG AAGGGTGTCA GGGAAACGGG GGGTGAGGGT GGTCTTGGTG 24	
	CCAGACGTAG GGAATGGTGT TGGGAGTGGC CCGAGTGCCT GGCACAGTTG TCTNGTTCAT 30	
20	MALACAN AND AND AND AND AND AND AND AND AND A	32
	SEQ ID NO:1382	
	SEQUENCE LENGTH: 157	
25	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS01534	
	SEQUENCE DESCRIPTION:	
00		60
30	ATCATTGGTT TTTTTTTGTG TGTCAACTGT GCCGTTTTTA TTTTATTCCT TTTATTTTCC 12	20
	CCCTTTTCAC AGAGAAATAA AGGTCTAGAA GTAGAAA 15	57
	SEQ ID NO:1383	
35	SEQUENCE LENGTH: 103	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUNGS01535	
40	SEQUENCE DESCRIPTION:	
		60 02
	AMAICAGIAC AMACAIAIII AAGIAAAIII IAAAAIGCGI AAA IC	03
	SEQ ID NO:1384	
45	SEQUENCE LENGTH: 284	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUNGS01537	
50	SEQUENCE DESCRIPTION:	
	TENTE DE LE	-11

	TTTGTGAAAT GTTTGGGCTT	TCTAAACGAC	TAAAGGATTT	GTNGGGTTTT	TNCTTAAGTT	120
	TTGAACCAAA TCCTAGAGCC					
	GTACCANTAA GTGGAGATTC	CTCCTTATGA	TGTATGCTAG	GTTATGGAAG	ATGTAAAATA	240
5	TTCAACTTTT TCCTNCGTTT	TTTGGACTTT	GTATTTTACT	GNAN		284
J						
	SEQ ID NO:1385					
	SEQUENCE LENGTH: 103					
	SEQUENCE TYPE:nucleic	acid				
10	TOPOLOGY: linear					
	CLONE: HUMGS01538					
	SEQUENCE DESCRIPTION:					
	GATCTGGAAC TCCTAAGCCA				NCACACCCTN	
15	CTNATGCTCA GAGCTCAACT	CCTAGTACCC	CTTCAGCCAC	CCN		103
	SEQ ID NO:1386					
	SEQUENCE LENGTH: 104					
	SEQUENCE TYPE:nucleic	acid				
20	TOPOLOGY: linear	aciu				
	CLONE: HUMGS01539					
	SEQUENCE DESCRIPTION:					
	GATCGCCGTT CTGTTTNGCA	TNNTCCCACC	GGGAGTTGCC	NGGCAGGAGC	ATGGGGTGCT	60
05	TGGTTGTTTC CTTCCTAATA					104
25						
	SEQ ID NO:1387					
	SEQUENCE LENGTH: 102					
	SEQUENCE TYPE:nucleic	acid				
30	TOPOLOGY:linear					
	CLONE: HUMGS01540			•		
	SEQUENCE DESCRIPTION:					
	GATCTTAGCC TTAGGGTAAG				AAACTATTTC	60
35	NATCTAATAG TACTCTTTTN	AATAAAAGTC	AGTAGTNGGA	AA		102
	CEO ID NO 1000					
	SEQ ID NO:1388 SEQUENCE LENGTH:378					
	SEQUENCE TYPE:nucleic					
40	TOPOLOGY: linear	acia				
40	CLONE: HUMGS01541					
	SEQUENCE DESCRIPTION:					
	GATCCINGGT TTTTGTGGTT	TGACTTCTAT	CCNCTTTTAA	AAAACACAG	ATTTTTAGTG	60
	TTAATATTGT GTAAATGTAC					
45	ATTGTNTACA GTTTGTGAAA					
	ATTACAATGC TCTAGAATCA					
	GTGGATGGGG GGAGCACGCA		-	-		
	AAANGCTTTT TTNCTCCNGT					
50	TGTAAGGGGN ACATGAAA			_		378

5	SEQ ID NO:1389 SEQUENCE LENGTH:102 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01542 SEQUENCE DESCRIPTION:	
10	CATCOTARCE CTARCECTAR COCNNARCON CARACCCCCC CACCOCCCC	60 02
15	SEQ ID NO:1390 SEQUENCE LENGTH:102 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01543	
20	SEQUENCE DESCRIPTION: GATCCAGAGG TCCNNGTCAC TTGGAGAAAG NCCAGTCCCT GNGACGGGGC AGCCCTCTNT 6 GTCCCTCGGG CAGCTCGTGT GAATCCTGGG ACCTCTTCCG GN 10	0
25	SEQ ID NO:1391 SEQUENCE LENGTH:101 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01544	
30	SEQUENCE DESCRIPTION: GATCTCAGCA ATTTGAACAC TAACCTCTCC CCTCCTGGCT CAAGAATTAC TCCGAAGTCA 6 GTCTGCAGAA AATAAATATT TAGTATGACA TGACACTTAA A 10	-
35	SEQ ID NO:1392 SEQUENCE LENGTH:101 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO1545	
40	SEQUENCE DESCRIPTION: GATCTACTCA GGCAACNACC AATCTTCTAN TCTGTCACTA TAGATTAATT TGCATTNTTA 6 AAGAAATNNA CATACATGGA ACCATACATC ATCTATGCTT N 10	-
45	SEQ ID NO:1393 SEQUENCE LENGTH:101 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01546 SEQUENCE DESCRIPTION:	
50	GATCCTAGGA AGINTGTCCC TGTCCTCCCT GTGCAGGGTA TCCTGTAGGG TGACCTGGAA 6 TTCGAATTCT NTTTCCCTTG TAAAATATTN NTNTGTCTCT N 10	

	SEQ ID NO:1394 SEQUENCE LENGTH:100					
	SEQUENCE TYPE:nucleic	acid				
5	TOPOLOGY:linear					
	CLONE: HUMGS01547					
	SEQUENCE DESCRIPTION:					
	GATCCACGTG CCATTGTGGA	GGAGAGAAAG	AGAAGTGTTT	ATATACGGTA	CTTATTTATA	60
10	TCCCTTTTAA TTAGAATTAA	AACAGTTAAT	TTAATTCAAA			100
,,						
	SEQ ID NO:1395					
	SEQUENCE LENGTH: 100					
	SEQUENCE TYPE: nucleic	acid				
15	TOPOLOGY: linear					
	CLONE: HUMGS01548					
	SEQUENCE DESCRIPTION:					
	GATCTTAGGT TACATAAAGT			TTGATACAAA	ATCAGTTTAT	60
20	ATTCTGAAAA TATTTATAAT	AAAGTATTCT	AATTTCTAAA			100
	070 ID NO 1000					
	SEQ ID NO:1396					
	SEQUENCE LENGTH: 98					
	SEQUENCE TYPE:nucleic	acid				
25	TOPOLOGY: linear					
	CLONE: HUMGS01549					
	SEQUENCE DESCRIPTION:	TO	1.000mmmmc.1			~~
	GATCAATTCT TCAATTTGAT			AGATTTCTTT	ATTTACAAAT	60
30	GATTACATTT AAATGAATGT	ACATICITCI	CACIGAAA			98
	SEQ ID NO:1397					
	SEQUENCE LENGTH: 98					
•	SEQUENCE TYPE:nucleic	acid	*			
.35	TOPOLOGY: linear	aciu				
,33	CLONE: HUMGS01550					
	SEQUENCE DESCRIPTION:					
	GATCTGTAAC ATTTGTTTCA	AAATGCTGTT	TCATTTTTAT	AAAGTACCAG	TGTTTAGCTG	60
	CTTTTTATAC ATTAAATTAG				10111110010	98
40		0.0	.0.010.021			•
	SEQ ID NO:1398					
	SEQUENCE LENGTH: 98					
	SEQUENCE TYPE:nucleic	acid				
45	TOPOLOGY: linear			•		
	CLONE: HUMGS01551					
	SEQUENCE DESCRIPTION:					
	GATCCTCAGT GTCCTTACCC	CCTCCTACCT	CTTTTCTGTG	CCACCTGCTG	TGGGTCCAGC	60
	AGGCNTTTAC TTGAGTACAA	TAAAAAGTCT	GAGTCAAA			98

5	SEQ ID NO:1399 SEQUENCE LENGTH:98 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01552 SEQUENCE DESCRIPTION:	acid				
	GATCCAAGTG TAGTGGGACC GTGTTGACTT GAAAAATAAA			GGACACTAAC	ATCTGTGCAG	60 98
10						
	SEQ ID NO:1400 SEQUENCE LENGTH:104 SEQUENCE TYPE:nucleic	acid				
15	TOPOLOGY:linear CLONE:HUMGS01553 SEQUENCE DESCRIPTION:					
	GATCTCCAAA GTGGTGAGTT CCGAATTTCA TACAATAAAT				TCTGTATTTT	60 104
20		ATOTOT THO	TTTMOMITMI	U/LUX		104
25	SEQ ID NO:1401 SEQUENCE LENGTH:94 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01554	acid				
	SEQUENCE DESCRIPTION:					
	GATCCAGAGA GTTCAAGGGA TGTAAGTTAG GTAATAAACT			AGTCATTTGC	ACTTTGTACC	60
30	INTANTIAU GIANIAACI	ATTATACICG	IAAA			94
	SEQ ID NO:1402 SEQUENCE LENGTH:92 SEQUENCE TYPE:nucleic	acid				
35	TOPOLOGY:linear CLONE:HUMGS01555 SEQUENCE DESCRIPTION: GATCTAGTNT CTNGCATTTT	TATTATGTTG	CTATATACTT	TTGTTATCCG	TATACŤAAAA	60
	AAAAAGAATA AATAAATGTT	TTGATTGTTA	AA			92
40						
45	SEQ ID NO:1403 SEQUENCE LENGTH:92 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01556 SEQUENCE DESCRIPTION:	acid				
50	GATCTNTACA TTCTTCAGAC TTTTNNTTAG AAAAGAATAA			TTTATAATGA	ACATATATCA	60 92

5	SEQ ID NO:1404 SEQUENCE LENGTH:119 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO1557	acid				
	SEQUENCE DESCRIPTION: GATCCTCTGG GGAAGCCAGG GTATTAAAGA AATNACTTAT					60 119
10						
	SEQ ID NO:1405 SEQUENCE LENGTH:90 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
15	CLONE: HUMGS01558 SEQUENCE DESCRIPTION:					
	GATCTTGTGT CTCCTCCA TTTAATAAAA TATTGACTCG		TGTTACCAGT	GTGCATGTGT	TTGTGTGTTT	60 90
20	SEQ ID NO:1406 SEQUENCE LENGTH:90					
25	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUNGS01560	acid				
	SEQUENCE DESCRIPTION: GATCTGTTAT GGCATTCACT		TTTTCCGTGT	TTGAAGTATG	TNCATATGTN	60
	CTTTACAGAA TAAAACATCT	GAATTTTAAA				90
30	SEQ ID NO:1407 SEQUENCE LENGTH:87					
	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
35	CLONE:HUMGS01561 SEQUENCE DESCRIPTION: GATCCATTTT CTTTCAAAAT TTTATTAAAT CAGAATGTTT		GTAAAGTATG	CAAAATATAT	ATTCATACGA	60 87
40 .	SEQ ID NO:1408 SEQUENCE LENGTH:85					
	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
45	CLONE: HUMGS01562 SEQUENCE DESCRIPTION: GATCTGGAAT CCTTTTCTG ACTCATTAAA ATCTCAAAAC		GACCACAGCT	AAAGGACAAT	AATATGAATG	60 85

	SEQ ID NO:1409 SEQUENCE LENGTH:85	
	SEQUENCE TYPE:nucleic acid	
_	TOPOLOGY: linear	
5	CLONE: HUMGS01563	
	SEQUENCE DESCRIPTION:	
	GATCCAAGTT ATNTTNAGAA GAAAAACCTA ATTGAACAGG TATGGGTTGG GAGCATAATA	
	AATGTGTTTT GAGAATTGTT CTAAA	60 85
10		00
	SEQ ID NO:1410	
	SEQUENCE LENGTH: 84	
	SEQUENCE TYPE:nucleic acid	
•=	TOPOLOGY: linear	
15	CLONE: HUMGS01564	
	SEQUENCE DESCRIPTION:	
	GATCATTATT TCATGACTGG TGCGTTCCTA AACTCTGAAA TCAGCCTTGC ACAAGTACTT	60
	GAGAATAAAT GAGCATTTTT TAAA	84
20		• •
	SEQ ID NO:1411	
	SEQUENCE LENGTH:84	
	SEQUENCE TYPE:nucleic acid	
25	TOPOLOGY: linear	
	CLONE: HUNGS01565	
	SEQUENCE DESCRIPTION:	
	GATCTAAGCC CATGAGCACA GGGACTGGCT ATCCCAAGAC CTGGCAGATG TGGCTGCTCA	60
	ATAAACACTT GTTGAACCAT CAAA	84
30		
	SEQ ID NO:1412	
	SEQUENCE LENGTH: 86	
	SEQUENCE TYPE:nucleic acid	
35	TOPOLOGY: linear	
	CLONE: HUMGS01566	
	SEQUENCE DESCRIPTION:	
	GATCACCCAA GGGTTTTTTT GTGTCGGACT ATGTAATTGT AAACTATACC TCTGGTTCCC	60
40	CATTAAAAGT NCCCATTTNA GTTAAA	86
	SEQ ID NO:1413	
	SEQUENCE LENGTH:83	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
45	CLONE: HUMGS01567	
	SEQUENCE DESCRIPTION:	
	GATCTGTGTT TGTATCCCTT TATGTAATGT AAAATTTAAG GGTATTTTGA TTCTAAATAT	60
	GATAAAATAA TTTCTCACCT AAA	83
50	· · · · · · · · · · · · · · · · ·	UU

	SEQ ID NO:1414 SEQUENCE LENGTH:83 SEQUENCE TYPE:nucleic acid	
5	TOPOLOGY:linear CLONE:HUMGS01568 SEQUENCE DESCRIPTION:	
	GATCAGCAGT CCACCACAAA AGCTTCTGTT AAAAGACCCT ACACAAATGC ACAAATTCAG	
	ATTAAACAAG GAAAAGACGG AAA	60 83
10		03
	SEQ ID NO:1415	
	SEQUENCE LENGTH: 83	
	SEQUENCE TYPE:nucleic acid	
15	TOPOLOGY: linear	
	CLONE: HUMGS01569	
	SEQUENCE DESCRIPTION:	
	GATCTTGGTG TTCAAAACAG AACTGTATTT TTGCCTTTAA AATTAAATAA TATAACGTGA	60
20	ATAAATGACC CTATCTTTGT AAA	83
	SEQ ID NO:1416	
	SEQUENCE LENGTH: 82	
	SEQUENCE TYPE: nucleic acid	
25	TOPOLOGY: linear	
20	CLONE: HUNGSO1570	
	SEQUENCE DESCRIPTION:	
	GATCCTTCTG TAAAGGTTTT TGGAATTATG TCTGCTGAAT AATAAACTTT TTTGAAATAA	60
	TAAATCTGGT AGAAAAATGA AA	82
30	•	02
	SEQ ID NO:1417	
	SEQUENCE LENGTH: 86	
	SEQUENCE TYPE:nucleic acid	
35	TOPOLOGY:linear	
	CLONE: HUNGSO1571	
	SEQUENCE DESCRIPTION:	
	GATCTGCATA TTTCTGTATA TTTGTCATGA CAGTGCTTGC ATCCTATTTG GTGTACTCAG	60
40	CAAATAAACT TTTCATTTTA AACAAA	86
	SEQ ID NO:1418	
	SEQUENCE LENGTH: 81	
	SEQUENCE TYPE:nucleic acid	
45	TOPOLOGY:linear	
7.5	CLONE: HUNGS01572	
	SEQUENCE DESCRIPTION:	
	GATCCCAACA TGGTCCTAGC ACTGCACACT CAGTTTTNCT CTAAGAAGCT GCAATAAAGT	60
	TTTTTNAAGT CACTTTGTAA A	81
5.O		

5	SEQ ID NO:1419 SEQUENCE LENGTH:81 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01573	
10	SEQUENCE DESCRIPTION: GATCTTCANT TAATCNCACT TTAAAAATGA CCAAAACATG TCTTTCTTGA ATTAACTTTG AATAAAAGTT TGTATATTAA A	60 81
15	SEQ ID NO:1420 SEQUENCE LENGTH:81 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUNGS01574	
20	SEQUENCE DESCRIPTION: GATCAGAGCT CAGTTCCTGT AGAAAACGAA CTGTAAAAGA CCATGCAAGA GGCAAAATAA AACTTGAAGT GAATGCTTAA A	60 81
25	SEQ ID NO:1421 SEQUENCE LENGTH:80 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01575	
30	SEQUENCE DESCRIPTION: GATCTTGGGT TTGGTCTACC CACCCAAGAG AAAAGACTGT TAACTGGAAG AAAAAATATA TATATNNAAT TTTATGTAAA	60 80
35	SEQ ID NO:1422 SEQUENCE LENGTH:79 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01576	
40	SEQUENCE DESCRIPTION: GATCACAATT ACCTTTAGTT GTTTTTTTTG TAATAATTGT AGCCAAGTAA ATCTCCAATA AAGTTATCGT CTGTACAAA	60 79
<b>45</b>	SEQ ID NO:1423 SEQUENCE LENGTH:79 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01577 SEQUENCE DESCRIPTION.	
	SEQUENCE DESCRIPTION: GATCCTTATG AATGACAGGT TACTGTTTTG CCTTATTGCT TAACTTAATG TAGTGAAATA AAGCAGACAA AGCTTGAAA	60 79

5	SEQ ID NO:1424 SEQUENCE LENGTH:79 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01578	acid				
10	SEQUENCE DESCRIPTION: GATCTTCTGC ATGAGACCTG ATGAATACTN TTCTTCAAA	GAGTTGGGGA	AGCAAGGTTA	CATTTGTATT	NGTTTATCCT	60 79
15	SEQ ID NO:1425 SEQUENCE LENGTH:78 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01579 SEQUENCE DESCRIPTION:	acid				
20	GATCAGGCAG TCTGCTCAGA AACAGATTAA CCTGCAAA	TACATTGAGT	GGCGATTTTA	AGTTTTGTTT	TGAAAAAATA	60 78
	SEQ ID NO:1426 SEQUENCE LENGTH:78 SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear CLONE:HUMGSO1580 SEQUENCE DESCRIPTION: GATCTAAATT TCTAATGTGT TTTTAATAAA TATTGAAA	TCTATGGGTT	TCAATTCTGA	AAAAAGAAAA	TGAATAAAGA	60 78
30	SEQ ID NO:1427 SEQUENCE LENGTH:78	.,				
35	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO1581 SEQUENCE DESCRIPTION: GATCTTCATT GTGCTGGGTG GTTTTTTTTG TTNTTAAA		NATCCATTT	AAAATTTGTA	ATTCAATAAA	60 78
40						10
45	SEQ ID NO:1428 SEQUENCE LENGTH:77 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01582 SEQUENCE DESCRIPTION:	acid				
50	GATCTCCAGG CTTGGCCTCC ATTCCTTTAG CTCTAAA	AGAGCAGCCC	ACACCAACNC	CAAAATAAAA	AAATGTATAT	60 77

5	SEQ ID NO:1429 SEQUENCE LENGTH:76 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01583	acid				,
10	SEQUENCE DESCRIPTION: GATCCCAGGG ACCTCAGTCG AGTCATTTGC AGTAAA	GCTTAATCAG	AGTGTGGCAT	AGAAGCTATT	TAATGATTAA	60 76
15	SEQ ID NO:1430 SEQUENCE LENGTH:76 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01584 SEQUENCE DESCRIPTION:	acid				
20	GATCAAACTT TTNATGTTCT GGTGAAATAA TATAAA	TAATAAGCTT	GCAATTGANT	AAAATAGAAT	ATAAAATAAA	60 76
25	SEQ ID NO:1431 SEQUENCE LENGTH:79 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01585	acid			·	
30	SEQUENCE DESCRIPTION: GATCCCAAGT ACAATGAAAA AACCTGTTTG TTTTACAAA	GTTTGCACTG	TATGCTGGAC	GGCATTCCTG	CTTATCAATA	60 79
35	SEQ ID NO:1432 SEQUENCE LENGTH:75 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01586	acid				
. 40	SEQUENCE DESCRIPTION: GATCTCCAAC NTTGGAAAAT TGTATGATAA CTAAA	ATACATGATG	TGAAACTGNG	GGTNCTATGT	TAAAAATAAA	60 75
<b>45</b>	SEQ ID NO:1433 SEQUENCE LENGTH:74 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01587 SEQUENCE DESCRIPTION:	acid				
50	GATCCAAACA TTTTTTGTG AAGTTCTTTT TAAA	TGTGTATGGC	ATTGATGCAG	AATAGAATAA	AATTATACTT	60 74

	SEQ ID NO:1434 SEQUENCE LENGTH:73 SEQUENCE TYPE:pucleic acid	
5	TOPOLOGY: linear CLONE: HUMGS01588 SEQUENCE DESCRIPTION:	
10	GATCCCGGCG CGGGAAAGTC ACAGAGCTGC CTGGGCTTGT ACCTGGNCAC ATAAAGCCCC ANTTTAAAGC AAA	60 73
	SEQ ID NO:1435 SEQUENCE LENGTH:73 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
15	CLONE:HUMGS01589 SEQUENCE DESCRIPTION: GATCCCANAG CNATAAAATA AAATTTTATT CCAAAATAAC AAAACAAATT NATCTACTGT	60
20	ACACAATCTG AAA	73
25	SEQ ID NO:1436 SEQUENCE LENGTH:72 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01590	
30	SEQUENCE DESCRIPTION: GATCCCAGGC TTCTGCGGAC CGACGATACG TTTAAATGTT GTTCTAGTAA AGTTTTCGAT ATGTTTCTGA AA	60 72
	SEQ ID NO:1437 SEQUENCE LENGTH:71 SEQUENCE TYPE:nucleic acid	
35	TOPOLOGY:linear CLONE:HUMGS01591 SEQUENCE DESCRIPTION: GATCCCTTGG NGGNCTAGTT CGTATTTTTG TNTTAAACTA TTTGTTAGAA TAAAGTAATT	60
40	TTGCTAATAA A	71
45	SEQ ID NO:1438 SEQUENCE LENGTH:70 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
	CLONE:HUMGS01592 SEQUENCE DESCRIPTION: GATCTTAAGT ATAAAAATTT TGTAATTGGG CCTTTACTCT CTCAATAATA AAGTATTTTG TTTATATAAA	60 70

5	SEQ ID NO:1439 SEQUENCE LENGTH:68 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01593 SEQUENCE DESCRIPTION:	
10	GATCTGTATT TTCTAAGTCC CCAGTTCTCC TGGCTCTCCT TTCTGAAATA AAGGATTGAA AACNGAAA	60 68
15	SEQ ID NO:1440 SEQUENCE LENGTH:67 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01594	
20	SEQUENCE DESCRIPTION: GATCTGTTTT TAAAAATCAT AAACTGTGTG CAGACTCAAT AAAATCATGT ACATTTCTGA AATGAAA	60 67
25	SEQ ID NO:1441 SEQUENCE LENGTH:71 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01595	
30	SEQUENCE DESCRIPTION: GATCAACAGT TACTGTNACT GAGTCGGCCC ATTCTGTTTA GAAATATATT TNAAATGTTT AGTAATTGAA A	60 71
35	SEQ ID NO:1442 SEQUENCE LENGTH:66 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO1596 SEQUENCE DESCRIPTION:	
40	GATCTGCCAT TTCATGCCNT GTGACTACNN ATCATTGGCC CTGCAATAAA ATCATTTATT TTTAAA	60 66
45	SEQ ID NO:1443  SEQUENCE LENGTH:64  SEQUENCE TYPE:nucleic acid  TOPOLOGY:linear  CLONE:HUMGSO1597  SEQUENCE DESCRIPTION:	
	MAAA	60 64

	SEQ ID NO:1444 SEQUENCE LENGTH:64	
5	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01598	
10	SEQUENCE DESCRIPTION: GATCAAGTCA CTNTTGACAA CATCCAGGNG AATATAAAAA CTTAATAAAG CTGTGGAAAG GAAA	60 64
	SEQ ID NO:1445 SEQUENCE LENGTH:62 SEQUENCE TYPE:nucleic acid	
15	TOPOLOGY:linear CLONE:HUMGS01599 SEQUENCE DESCRIPTION:	
20	GATCAATTGG TTTAACTTCT TTTATGTAAG TATGGTATAT AAATTTCAAG ACGAACACTA AA	60 62
	SEQ ID NO:1446 SEQUENCE LENGTH:62 SEQUENCE TYPE:nucleic acid	
25	TOPOLOGY:linear CLONE:HUMGS01600 SEQUENCE DESCRIPTION: GATCACTTTT CACTTTTTGG AATGTTTTGT ATTGAAACTT AATAAAACTT TAACATGGCA	60
30	AA OTO ED NO 4445	62
35	SEQ ID NO:1447 SEQUENCE LENGTH:62 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01601	
40	SEQUENCE DESCRIPTION: GATCGNTCTC AGGCCCTCCC CCCGGAGTAC TTCAGAATGC AATAAATCAA AATAATGGCA AA	60 62
	SEQ ID NO:1448 SEQUENCE LENGTH:62 SEQUENCE TYPE:nucleic acid	
45	TOPOLOGY:linear CLONE:HUMGSO1602 SEQUENCE DESCRIPTION: GATTGTATG TGTTCTATTC ACCACALGGA ALTALALATT TAGETCAGA TOPOLOGIA	
50	GATCTGTATG TGTTCTATTC AGCACAAGGA AATAAAATTT TAGTTGAGGA TTCAGCACTA	60 62

5	SEQ ID NO:1449 SEQUENCE LENGTH:62 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01603	
10	SEQUENCE DESCRIPTION: GATCCCCATT CTTTTCAAAA ACAAAATAAA ACAATAAAGA CTGCAAGGAA GACTGANGGA AA	60 62
15	SEQ ID NO:1450 SEQUENCE LENGTH:62 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01604 SEQUENCE DESCRIPTION:	
<del>.</del> 20	SEQUENCE DESCRIPTION: GATCCAGTCT GGAATAACAT TTTGTAAAAA AAAAATATAT ATATATAT ATATNGCTGA AA	60 62
. 25	SEQ ID NO:1451 SEQUENCE LENGTH:61 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
30	CLONE: HUMGS01605 SEQUENCE DESCRIPTION: GATCGGGGGC ACCAGAGGGG CAGAGGCACC AACATCTGAA TAAAGCCATT GTTCTCCCAA A	60 61
35	SEQ ID NO:1452 SEQUENCE LENGTH:61 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
40	CLONE:HUMGS01606 SEQUENCE DESCRIPTION: GATCTTGGAC NTCTCGCATT CAGAACTGTG AGAAATAAAT ATCTATTATT TACAAATTAA A	60 61
45	SEQ ID NO:1453 SEQUENCE LENGTH:60 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO1607 SEQUENCE DESCRIPTION:	
	GATCTCCGTC TTGTATGGCT GAATGTTGGC CTAAAATAAA GATTACTGTT GTAAAATAAA	60

5 .	SEQ ID NO:1454 SEQUENCE LENGTH:62 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01608	
10	SEQUENCE DESCRIPTION: GATCTGTGGA GAATGTACAC AGTTTAAACA CATCAATAAA TACTTTAACT TCCACCGAGA AA	60 62
15	SEQ ID NO:1455 SEQUENCE LENGTH:72 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01609 SEQUENCE DESCRIPTION:	
20	GATCAAGAAT CCTGCTCCAC TAAGAATGGT GCTAAAGTAA AACTAGTTTA ATAAGCAAAA AAAAAAACCA AA	60 72
	SEQ ID NO:1456 SEQUENCE LENGTH:59 SEQUENCE TYPE:nucleic acid	
25	TOPOLOGY:linear CLONE:HUMGS01610 SEQUENCE DESCRIPTION: GATCTAGATG TTTCTTTAAC CAAGATGAAT TAAAATATAG TAGAGTTCCA CTGTNCAAA	59
30	SEQ ID NO:1457 SEQUENCE LENGTH:63 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
35	CLONE:HUMGS01611 SEQUENCE DESCRIPTION: GATCAAATTG TACCTTTTTA GAGAAAAGGA CCAAAATAAA AGAAAAATGA ATTATGAACT	60 63
40	SEQ ID NO:1458 SEQUENCE LENGTH:59 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
45	CLONE:HUMGS01612 SEQUENCE DESCRIPTION: GATCAGCAGT CTTGGATGGN AGGNAACAAA GCTAAATAAA TGTTAGTTTG GTGAGCAAA	59
50	SEQ ID NO:1459 SEQUENCE LENGTH:65	

5	SEQUENCE TYPE: nucleic acid TOPOLOGY: linear CLONE: HUMGS01614 SEQUENCE DESCRIPTION: GATCTCCCTT ATATTCTTAT GATGAGGCTA AATAAAAAGTC TAATAAAAAT GTTAAATATG TGAAA	60 65
10	SEQ ID NO:1460 SEQUENCE LENGTH:56 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO1615	
15	SEQUENCE DESCRIPTION: GATCAAAATC AAGTTTTAAG TTTTTTTGAC CAGATAAATT TAATGATTTT GGCAAA	56
20	SEQ ID NO:1461 SEQUENCE LENGTH:58 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01616	
25	SEQUENCE DESCRIPTION: GATCTTAATT ACTTTCAGAA TATTTTCAAA ATAGATATAT TTTNAAAATC CTTACAAA	58
30	SEQ ID NO:1462 SEQUENCE LENGTH:55 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO1617 SEQUENCE DESCRIPTION: GATCGTTCTT CTCTCCGTAT TGGGGAGTGA GAGGGAGAGA ACGCGGTCTG AGAAA	er.
35	SEQ ID NO:1463 SEQUENCE LENGTH:55 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	55
40	CLONE: HUMGSO1618 SEQUENCE DESCRIPTION:	55
<b>45</b>	SEQ ID NO:1464 SEQUENCE LENGTH:55 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
50	CLONE: HUMGSO1619 SEQUENCE DESCRIPTION:	

	GATCTGTTAT GTATTTCAAC ATAATCATGT	TTCATAAAGA	TTTAGTCTTC	TGAAA	55
5	SEQ ID NO:1465 SEQUENCE LENGTH:56 SEQUENCE TYPE:nucleic acid		٠		
	TOPOLOGY: linear CLONE: HUMGS01620		•		
10	SEQUENCE DESCRIPTION: GATCCCACCT TTGCTCCTGA CAACCCTCAT	TTCAATAAAG	ACCAGTGAAG	ACCAAA	56
	SEQ ID NO:1466 SEQUENCE LENGTH:54				
15	SEQUENCE TYPE:nucleic acid				
	TOPOLOGY: linear				
	CLONE: HUMGS01621				
	SEQUENCE DESCRIPTION:				
20	GATCAGAATC CTGCTCCACT AAGAACGGTG	TAAAGTAAAT	TAGTTATAAG	CAAA	54
	SEQ ID NO:1467				
	SEQUENCE LENGTH: 63				
	SEQUENCE TYPE: nucleic acid				
25	TOPOLOGY: linear				
	CLONE: HUMGSO1622 SEQUENCE DESCRIPTION:				
	GATCTTGAGC CTTAACTGGA CATGAGGGGC A	ስ ጥር ለ ለ ለ ላ ጥ ለ ለ	ላ ሮ ሮ ሞ ሮ ላ ላ ሮ ሞ ሮ	C 1 C C C T C C T C	<b>CO</b>
	AAA	11 UAAAA1AA	AUCIUAACIU	CAGCCTCCTG	60 63
30					vo
	SEQ ID NO:1468				
	SEQUENCE LENGTH:54 SEQUENCE TYPE:nucleic acid				
35	TOPOLOGY: linear				
33	CLONE: HUNGSO1623				
	SEQUENCE DESCRIPTION:				
	GATCTTTTCT AAATGTTATT ACTTGTAAAT A	AAGTCTATT	TTTCTCCCGT	GAAA .	54
40	SEQ ID NO:1469				
	SEQUENCE LENGTH: 54				
	SEQUENCE TYPE: nucleic acid	•			
	TOPOLOGY: linear				
45	CLONE: HUNGSO1624				
	SEQUENCE DESCRIPTION:				_,
	GATCTGTATA TITTTTTCTA AGAGAAAATG T	AAATAAAGG A	ALLICTAGAT	GAAA	54
	SEQ ID NO: 1470				
50	SEQUENCE LENGTH: 54				

5	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01625 SEQUENCE DESCRIPTION:	
	GATCTGCGCA TATATATATA TGTATAAAAA ATAATAAAAT AATGGAAGNT GAAA	54
	SEQ ID NO:1471	
10	SEQUENCE LENGTH: 54	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS01626	
15	SEQUENCE DESCRIPTION: GATCCTAAAT NCACGCACCC CGTGGGAGCN CAATAAAGAT TTACTGAATT GAAA	54
	SEQ ID NO:1472	
	SEQUENCE LENGTH: 53	
20	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS01627	
	SEQUENCE DESCRIPTION:	
	GATCCGCCAT CTGTAATGTC CTTGGCACAA TAAAACCAAA TGTCAGTTTC AAA	53
25		
	SEQ ID NO:1473	
	SEQUENCE LENGTH: 52	
	SEQUENCE TYPE:nucleic acid	
30	TOPOLOGY: linear	
	CLONE: HUMGS01628	
	SEQUENCE DESCRIPTION:	
	GATCCCTAGT GATTACAGCC CTGAAGAAAA TTAAATCTGA ATTAATTTTA AA	52
35	SEQ ID NO:1474	
	SEQUENCE LENGTH: 52	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
40	CLONE: HUNGS01629	
	SEQUENCE DESCRIPTION:	
	GATCCAGTGT GGATTCTTNG AGTAATAACG TTGGTTTTAT TTATCATATA AA	52
	SEQ ID NO:1475	
45	SEQUENCE LENGTH: 52	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS01630	
50	SEQUENCE DESCRIPTION:	
	GATETTEAAT GTTTATTTTA AAATAAAATA AAATAAGTTE TTGAETTTTA AA	52

	SEQ ID NO:1476	
	SEQUENCE LENGTH:56 SEQUENCE TYPE:nucleic acid	
_	TOPOLOGY: linear	
5	CLONE: HUNGSO1632	
	SEQUENCE DESCRIPTION:	
	GATCTTGAAT GAAAGTCTTC TCAGGCTGTA GGGTGGTTCC TACAACCACA GCCAAA	5.0
	UNICITUAL GARACTETIC TENUGETUIN GOOTGOTTEE TREATERING GEFARA	56
10	SEQ ID NO:1477	
	SEQUENCE LENGTH:51	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
15	CLONE: HUMGS01633	
-	SEQUENCE DESCRIPTION:	
	GATCTCATCT GAATCCCCAA CACCCAATAA AGTTCCTTTT TAACACACAA A	51
20	SEQ ID NO:1478	
20	SEQUENCE LENGTH: 55	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS01642	
25	SEQUENCE DESCRIPTION:	
	GATCAAAATC CTATTTAGAA AAAATAAAAC TACTTTCTGT TTATCTCTTT AGAAA	55
	SEQ ID NO:1479	
	SEQUENCE LENGTH: 34	
30	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY:linear	
	CLONE: HUNGS01671	
	SEQUENCE DESCRIPTION:	
35	GATCCAAAAA CATCCGTGAA CCTCTGTCTG TAAA	34
	SEQ ID NO:1480	
	SEQUENCE LENGTH: 305	
	SEQUENCE TYPE:nucleic acid	
40	TOPOLOGY: linear	
	CLONE: HUNGSO1673	
	SEQUENCE DESCRIPTION:	
	GATCAAAATA AAGGATGATA ATAGATATTA TTTTTNCTTA TGACAGAAGC AAATGATGTG	
45	ATTTATAGAA AAACTGGGAA ATACAGGTAC CCAAAGAGTA AATCAACATC TGTATACCCC	
	CTTCCCAGGG GTAAGCACTG TTACCAATTT AGCATATGTC CTTGCAGAAT TTTTTTTCT	
	ATATATACAT ATATATTTT AACCAAAATG AATCATTACT CTATGTTGTT TTACTATTTG	
	TITGACATAT CAGTATATCT GAAACACCTT TTCATGTCAA TAAATGTTCT TCTCTAACAT	
	TTAAA	305

	SEQ ID NO:1481	
	SEQUENCE LENGTH: 734	
_	SEQUENCE TYPE:nucleic acid	
5	TOPOLOGY: linear	
	CLONE: HUMGS01686	
	SEQUENCE DESCRIPTION:	
	GATCCAGCCC ATTCTCTACT CTTACTCCTT TCATGGGCCA CCAGAGCCAG TACTCTTGGA	60
10	TAGCAGCAGC ATTCTAGCTG ACAGAATTIT GCTGATGGAT ACTTTCTTTC AAATTGTCAT 12	20
	TTATCTTGGT GAGACCATAG CCCAGTGGCG TAAAGCTGGC TACCAGGACA TGCCCGAGTA 18	RN
	TGAAAACTTC AAGCACCTTC TGCAGGCACC ACTGGATGAT GCTCAAGAAA TTCTGCAAGC 24	<b>4</b> ∩
	ACGCTTCCNG ATGCCACGTT ACATCAACAC GGAGCATGGA GGCAGTCAGG CTCGATTCCT 30	ገበ
	TTTGTCCAAA GTGAACCCAT CTCAGACACA CAATAACCTG TATGCTTGGG GACAGGAAAC 36	s۸
15	TGGAGCACCC ATCCTAACTG ATGATGTTAG CCTGCAGGTG TTCATGGACC ATTTGAANGA 42	'n
	AGCTGGCTGT CTTCCAGTGG CCTGTTAAAG CTGAGGATAC AACCAGGGAA ATGCAAACGG 48	.o
	TNTCAAGATT TGGTGGTTCA AAATTGTCTA GAAAGGGTTT GATAACCATT CCNGGTTACT 54	เก
	TTTTCTTNGG ANGTTTTAAC CAAATAATCA ANGGCNATTT TATTATGGAA CCTCTTTAGG 60	in
20	TTATAATTNA TINGGAATNC CGNCNTTGGC CTTTTCTTGN CCTTTAAATT TTAAGGGAAN 66	'n
	AAANNTTTGG GCNTNAGGNG GTTNNGGNTT TTTGGNNCNA ACTTTNGGGN TTAATAAANC 72	'n
	NGGGGNNTNT TAAA 73	
	''	7
	SEQ ID NO:1482	
25	SEQUENCE LENGTH: 731	
	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS01687	
30	SEQUENCE DESCRIPTION:	
00	GATCAACCGG AGCGCTTCCG AGCCATCCTT GCATCGGGCA GCCCACACTG AGGATATCAA 60	Λ
	TGCTTGCACG CTGACCACGT CCCCGAGGCT GCCTGTNTTC TAGTTGACTT TGCACCTGTN 120	n
	TTCAGGCTGC CAGGGGAGGA GGAGAAGCCA GCAGGCACCA CTTTTCTGCT CCCTTTCTCC 180	n
	AGAGGCAGAA CACATGTTTT CAGAGAAGCT GCTGCTAAGG ACCTTCTAGA CTGCTCACAG 240	n
35	GGCCTTAACT TCATGTTGCC TTCTTTTCTA TCCCTTTGGG CCCTGGGAGA AGGAAGCCAT 300	'n
	TTGCAGTGCT GGTGTGTCCT GCTCCCTCCC CACATTCCCC ATGCTCAAGG CCCAGCCTTC 360	ת ח
	TGTAGATGCG CAAGTGGGAT GTTGATGGTA GTACAAAAAG CAGGGGCCCA GCCCAGCTGT 420	,
	TGGCTACATG AGTATTTAGN GGGAAGTAAG GTAGCAGGCA GTCCAGCCCT GANNTTGGAG 480	, 1
40	ACACATGGGG TTTTTGGAAA TAAGNTTCTT GNGGGATGAA TGTAACAGGN GGGNTTTCTT 540	, `
40	CANGGAGTGG THCAGCHCAG ACATTTHNAC ATAAGGACCA AACAGCCCAG HHTHCCGHAT 600	, 1
	TTTGNCNCCC AAGNGCCTTT TTTGGACTTG GANCTTTNTT NGGGGAAAGC CNCTTNAANG 660	/ . ነ
	TTTAAGNGCC AGNATNGGTG TTTCNGNAAG NATTGCCATC CGATTTAGCC TTTANGGGAN 720	,
	GTTCCANAAC N	
45	731	•
	SEQ ID NO:1483	
	SEQUENCE LENGTH: 687	
	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY:linear	

	CLONE: HUMGS01688					
	SEQUENCE DESCRIPTION:					
	GATCGGTGGC TCCATCCTGG	CCTCACTGTO	CACCTTCCAG	CAGATGTGGA	TTAGCAAGCA	60
5	GGAGTACGAC GAGTCGGGCC					
•	AGATGCGTAN ATTNTGCTGC					
	ACACACCTCA TGCTAGCCTC					
	AGCTTGTATC TGATATCAGC					
	GAAGTTAACT GTTCCCCTTG					
10	GAGGCTGGCA AGAACCAGTT					
	AGCCGTAGGA CCCCAGTTTC					
	TNGTTAATTG CTTTTAAGTT					
	CTNAATTNAA GGAAAGGGTT					
15	CAAATTTTGG GTTTTCANCC					
	AAGGGAANAN AANGGCNNCC					687
						•••
	SEQ ID NO:1484					
	SEQUENCE LENGTH: 649					
20	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS01689					
	SEQUENCE DESCRIPTION:					
25	GATCAAACTG TATTGCCCAG	GCCAGCTCCT	GAAGAACTGT	GAACTATGAA	CGTCTCAGCC	60
	TAGAAGGATA ATGTGACCTT	CAATTTGCÁC	ACCATCCATT	GTCTCTTTCA	AACTAAGAGC	120
	CTCTCTAAGC TAGATAGGCC	AAGGATTATT	TTTTTAACTT	TTATTTTAGG	TTCAGGGGTA	180
	CATATACAGG TTTGTTACAT	AGGTAACCTC	ATGTCATGAG	GGATTTTGTA	TAGATTATTT	240
	GGTGACCCAG GTACTAAACC	TAGTACCCAT	TAGTTGTTTT	TNCTGCTCCT	CTCCCTCCTC	300
30	TCACCCTCCA CCCTCAGTTA	GTTCCCAGTG	TGTGTTGTTT	CCCCACATCT	ATCCATGTGT	360
	TCTTATTATT TAAGCTCCCA	CTTATAAGTA	AGAACATGCA	GTGTTTGGTT	TTCTGTTCCC	420
	GATTAGGTAA TGCTGAGGGA	TAATGGCTTC	CAATTNCCAT	CCATNGTTTC	TGCAAAGGAN	480
	CATGNNCTCA TTNCTTTAAA	TATGGGCTNG	CATAGNNGTT	CCATGGGNGG	TGAATGTACC	540
35	ACATTTTCCT TTNANCCAGG				TTCCAAGGCT	600
	TNGGTAATGG TGAANAGGGC	ACAATAANCC	AGTACCATGG	GGCATGAAA		649
	SEQ ID NO:1485					
10	SEQUENCE LENGTH: 549					
40	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS01691		•			
	SEQUENCE DESCRIPTION:					
45	GATCCTCTGA TGGGAGCTGA					60
	AGGCTTTGCA GGTCCCTTAC					
	TGTGTGTGTT TGTCTGTGTG					
	AATGGCTCTG CTCAGAGGGA					
	GCCTGGAGAG CAGCCGGGCA	ACCNETCEAG	GGACCTGCCG	CCTTCCCTCA	GTCCTCCAGG	200

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GGCCCAGCAC TCTTCCTTTA GGCCCTGTGA GCGTCCCTTG TCAGGATACA TTCTCTCATT 360

	TTGCTGAAGC TGATTTGATT GGGTGTCTGT TTCTCGCAGC CAAAAGAGCT CTGAAATGAG 420
	GAAAGTGCTT CTGTGCTAAC TCCCCGGGTC TCCTGAATTT CAGTCATTCA TGTACCCGCC 480
5	TCGAAATTTT TTGCAATATC TGTGTACCCA ATGTCCATTT AATTAATAAA GAAGTTTTCT 540
J	TAAATTAAA 549
	SEQ ID NO:1486
	SEQUENCE LENGTH: 543
10	SEQUENCE TYPE: nucleic acid
	TOPOLOGY: linear
	CLONE: HUMGS01692
	SEQUENCE DESCRIPTION:
15	GATCGANGTT TACCTTGTGT CAGGAAAAAA TGTGGGGTAT GCCAAGTATG CCGATAGAAT 60
	AAGTNCTAAT GATGCCACTN GCCACTCTAC ATNGAAAGAT TCTGAATGGG GTGAGACTTA 120
	AAGTTATGCT GGCAGATTCG CCAAGAGAAG AATCTAACAA ACGGCAAAGA ACTTACTGAT 180
	TCTTGAGAAC ACCCGACTAA ATAATGACAT ANTCCTCAGC TGACTGACTG AAAATGTGAC 240
-	TGGACGCATT CCCTGTGGAC AGTTGACAGC TTTTTTTTT TCCATATACC TGNTAGTCTG 300
20	TGTCCAGCAT TGTTTTGTCT GGGAAGCAGG GTTTGCTGNC ATGTATTTTN NATTCCATAC 360
	ATTANTECTA AACCENTTAT AGTAGTTETN CCTTAGNECA NTATETTETT ACCTETAGCA 420
	GAANTAAAGT TTTCTTTGCT TTANCTAAAT CATGNCTTTA TTTNTGNGAA GGCCAGGACC 480
•	GGGAAATTTT ATTNGNCAGT CTTTGGNTTT TGCCTAATGN CATTGNCATG NNTTTGGGGT 540
25	NCN 543
	SEQ ID NO:1487
	SEQUENCE LENGTH: 533
	SEQUENCE TYPE:nucleic acid
30	TOPOLOGY: linear
	CLONE: HUMGS01693
	SEQUENCE DESCRIPTION:
	GATCCAGAGT TGCATACAGA CCAATTTCTG CATCAGTGTT ATCTCGACCA GAGGCTAGTA 60
	GGACTGGAGA GGGCTCTACG GTATTTAATG GGGCCCAGAA TGGTGTGTCT CAGCTAATCC 120
35	AAAGGGAGTT TCAGACCAGT GCAATCAGCA GAGACATTGA TACTGCTGCC AAATTTATTG 180
	GTGCAGGTGC TGCAACAGTA GGAGTGGCTG GTTCTGGTGC TGGTATTGGA ACAGTCTTTG 240
	GCAGCCTTAT CATTGGTTAT GCCAGAAACC CTTCGCTGAA GCAGCAGCTG TTCTCATATG 300
	CTATCCTGGG ATTTGCCTTG TCTGAAGCTA TGGGTCTCTN TTGTTTGATG GTTGCTTTCT 360
40	TGATTTTNTT TGCCATGTAA CAAATTACTG CTTGACATGT TGGCATNCAT ATTAATTACG 420
	GATGNAATCC TGGGNANCTA CCTGTNCCTC CGAAAACCTG TAGGTANTTG GGGGTCANGG 480
	GGAATTGNNC GGTAATTCCC AAAGCCATTT NATTAAAGGN GGAAACCTTT AAA 533
	SEQ ID NO:1488
45	SEQUENCE LENGTH: 531
	SEQUENCE TYPE:nucleic acid
	TOPOLOGY: linear
	CLONE: HUMGS01694
50	SEQUENCE DESCRIPTION:
	GATCCAAAAG ANCTGCTTTC TGAAGCAAGT TTCCAAGANG CTCTTCAGGA AAGCATTCCT 60

	GACATTCAAG CGCACGAGTG GGTGCCGCTG TGGCTACTGC GGTATTCGGT CATTGTGAAA 120
	AGTAGAGGAA TTATCAAATC AAAAGGCTAC ATTTTACAAG CTAAAAGAAG GGGTTCTTAA 180
	CTGACTTAGG AGCATAACTT ACCTGTAATT TCCTTCAATA TGAGAGAAAA TTGAGATGTG 240
5	TAAAANTCTA GTTACTGCCT GTAAATGGTG TCATTGAGGC AGATATTCTT TCGTCATATT 300
	TGACAGTATG TTGTCTGTCA AGTTTTAAAT ACTTATCTNG CCTCCATATC AATCCATTCT 360
	CATGAACCTC TGTATTGCTT TCCTTAAACT ATTGNTTTTC TAATTGANAT TGTCTATANG 420
	GANATHORTG CAATATATT NNNCHTTANT TTTTATGHOR AATATHAATH CAGGHNAATT 480
	TGTTGTTTGG TATTTTTGGG CNNGGGTTCC GGGGAATGNT TNTNCANTTT N 531
10	001
	SEQ ID NO:1489
	SEQUENCE LENGTH: 526
	SEQUENCE TYPE:nucleic acid
15	TOPOLOGY: linear
	CLONE: HUMGSO1695
	SEQUENCE DESCRIPTION:
	GATCGGCGTG ACCANCCCTT GCCGGAGGTG GCCCATGTCA AGCACCTGTN TGCCAGCCAG 60
	AAGGCACTGA NAGGAGAAGG AGAAGGCCTC CTGGAGCAGC CTCTCCATGG ATGAGAAAGT 120
20	CGAGTTGTAT CGCATTAAGT TCAAGGAGAG CTTTGCTGAG ATGAACAGGG GCTCGAACGA 180
	GTGGAAGACG GTTGTGGGCG GTGCCATGTT CTTCATCGGT TTCACCGCGC TCGTTATCAT 240
	GTGGCAGAAG CACTATGTGT ACGGCCCCCT CCCGCAAAGC TTTGACAAAG AGTGGGTGGC 300
	CAAGCAGACC AAGAGGATGC TGGACATGAA GGTGAACCCC ATCCAGGGCT TAGCCTCCAA 360
25	GTGGGACTAC GAAAAGAACG AGTGGAAGAA GTGAGAGATG CTTGGCCTNC GGCTTCAACT 420
	TGCGGCTGGC TCTTTCACCG CCATGCAAAC TCCATGCCTA TTTACTNGGA AACCTGTTAT 480
	NCCAAACAGT TGTNCNCTGC TAATAAATTG NCCAGTTTAC CTGAAA 526
	SEQ ID NO:1490
30	SEQUENCE LENGTH: 525
	SEQUENCE TYPE:nucleic acid
	TOPOLOGY: linear
	CLONE: HUMGS01696
35	SEQUENCE DESCRIPTION:
35	GATCAGCAGA GGNATCAAAC CAACACCTTC TTTGGCTCCC CTCCCGCAGC CACAGAGGCA 60
	ACCCACGTTG TCAGCACCAT CCCTGAGTCA TTACAATAGC ACCCTGCAGC TATGCTGGAA 120
	AACTGAGCGT GGGACCCTGC CAGACTGAAG AGCAGGTGAG CAAAATGCTG CTTTCTGCCT 180
	TGGTGGCAGG CAGAGAACTG TCTCGTACTA GAATTCAAGG AGAAAAGAAG AAGAATAAA 240
40	AGAAGCTGCT CCATTTTCA TCATCTACCC ATCTATTTGG AAAGCACTGG AATTCAGATG 300
	CAAGAGAACA ATGTTTCTTC AGTGGCAAAT GTAGCCCTGC ATCCTCCAGT GTTACCTGGT 360
	GTAGATTTTT TTTTCTGTAC CTTTCTAAAC CTCTCTTCCC TCTGTGATGG TTTTGTGTTT 420
	AAACAGTCAT CTNCTTTTAA ATAATATCCA CCTNTCCTTT TTGCCATTTC ACTTATTGGN 480
45	TCCATAANGT GAATTTTAAT TTAAGGTTAT GCCACACATG CATGN 525
	SEQ ID NO:1491
	SEQUENCE LENGTH: 522
	SEQUENCE TYPE:nucleic acid
50	TOPOLOGY: linear
	· · · · · · · · · · · · · · ·

	CLONE: HUMGS01697	
	SEQUENCE DESCRIPTION:	
5	GATCAGCTGT TTGTCATAGG GCAGTTGGAA ACGGCCTCCT AGGGAAAAGT TCATAGGGTC 60	
	TETTCAGGTT CTTAGTGTCA CTTACCTAGA TTTACAGCCT CACTTGAATG TGTCACTACT 120	)
	CACAGTETET TTAATETTEA GTTTTATETT TAATETEETE TTTTATETTE GACTGACATT 180	)
	TAGCGTAGTA AGGTGAAAAG GTCATAGCTG AGATTCCTGG TTCGGGTGTT ACGCACACGT 240	)
	ACTTAAATGA AAGCATGTGG CATGTTCATC GTATAACACA ATATGAATAC AGGGCATGCA 300	)
10	TTTTGCAGCA GTGAGTCTCT TCAGAAAACC CTTTTCTACA GTTAGGGTTG AGTTACTTCC 360	)
	TATCAAGCCA GTACGTGCTA ACAGGCTCAA TATTCCTGAA TGAAATATCA GNCTAGTNGN 420	)
	CAAGCTCCTG GTCTTGAGAT GTCTTCTCGT TAAGGAGATG GGCCTTTTGG GGGTAAAGGN 480	ļ
	TAAAATGGAT GAGGTCTGNC ATGNTTCACT ATTCTAGGAC TN 522	
15		
	SEQ ID NO:1492	
	SEQUENCE LENGTH:509	
	SEQUENCE TYPE:nucleic acid	
20	TOPOLOGY: linear	
20	CLONE: HUMGS01698	
	SEQUENCE DESCRIPTION:	
	GATCCCAACA ATATTCCCAA GGCCTCAATG ACAAGTGGTT TGGTTCAGCA GTTCCAACAC 60	
	ACAGTCCTTC CCTCAGTGAC TCCCTTGGNN CCCTCATCTG CACACTGATT GCCATATTGC 120	
25	CCTCTATTTT CTGTCTTTGG TTTAAACCCC AAGGGCCCAG AGGCTTTCTC CGATGTCTAA 180	
	CTCTTTGTGC CTTGAGCTCC TTTATGTTTG GGTGGCATGT TCATGAAAAA GCCATACTTC 240	
	TAGCAATTCT CCCAATGAGC CTTTTGTCTG TGGGAAAAGC AGGAGACGCT TCGATTTTTC 300	
	TGATTCTGAC CACAACAGGA CATTATTCCC TCTTTCCTCT GCTCTTCACT GCACCAGAAC 360	
30	TTCCCATTAA AATCTTACTC ATGTTACTAT TCACCATATA TAGTATTTCG TCACTGAAGG 420	
	ACTITATICA GAAAAGGAAA AACCICITIT TIAATIGGGA TGGGAACTIT CIANCCIGCI 480	
	TTGGNCNGGG GGCCTCTGGG AAGGNCTTN 509	
	SEQ ID NO:1493	
35	SEQUENCE LENGTH: 497	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY:linear	
	CLONE: HUMGS01699	
	SEQUENCE DESCRIPTION:	
40	GATCCTGTCA AAATAGTCCG ATGCCATGAA CATATAGAAT CCTTACAGTA AATGGAGAAT 60	
	TACTCTTTTT TAGACAAAGA GAAGGGCCTT TTTATCCAAC CCTAAGATTA CTTCACAAAT 120	
	ATCCTTTTAT CCTGCCACAC CAGCAGGTTG ATAAAGGAGC CATCAAATTT GTACTCAGTG 180	
	GAGCAAATAT CATGTGTCCA GGCTTAACTT CTCCTGGAGC TAAGCTTTAC CCTGCTGCAG 240	
45	TAGATACCAT TGTTGCTATC ATGGCAGAAG GAAAACAGCC TGCTCTATGT GTTGGAGTCA 300	
	TGAGATGTCT GCAGAGNCAT TGNGAAGTCA CCAAAGGATT GGCATTGAAA ATATCCATTA 360	
	TTTAAATGAT GGGCTGTGGN TATGAGGCAT ATAAATGNGC TCAGAGGGAT GCACTTGGGT 420	
	NAATATGGNT ATTGTGCTGT ATCTGTGTTG TGNCTGTGTG TGCANCTGAG GTATGCCTGT 480	
	GGTNTGCTGA TAAATCN 497	

SEQ ID NO:1494

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	SEQUENCE LENGTH: 472					
	SEQUENCE TYPE:nuclei	c acid				
	TOPOLOGY:linear					
5	CLONE: HUMGS01700					
	SEQUENCE DESCRIPTION					
	GATCAAAATA TCATGGATTO	AACCTCATCA	ATTGATAGCA	GTGAGTGACT	GANGCTTCCA	60
	AATCAAGAAA AGCCGGCAC					
	GATTCTNTCT TTGAAGAGTO					
10 .	GTANGNGGAG TATTTTAGTO					
	GGAGCTTTAT TTCTATTTAC					
	ACTGTATCTT GAAACTTTGT					
	ANTGTGATTT TNGTGTGAT1					
15	CCTTAACCTT GAAAGTCCAC					472
	SEQ ID NO:1495					
	SEQUENCE LENGTH: 496					
	SEQUENCE TYPE:nucleio	acid		•		
20	TOPOLOGY: linear					
	CLONE: HUMGS01701					
	SEQUENCE DESCRIPTION:					
	GATCTGTGTG GATGGCAAAC	TCCCCAGGCC	ATTCTGGGAC	CTAAGTTTAA	GAAGTGCCGT	60
25	CCTCGAACTT NCTGACTCTA					120
	TTCCTGTTCA GGTGCAGACA					
	GCTCACGTGC CACACAGTGT	CTCATGCACA	CAACCCAGTG	TACACACCAC	CTACATGCAC	240
	ACAGCGTCCT TNCACACTGT	GTATGTGAAC	AGCTTGGGCC	CTGCAACACA	ACCATCTACA	300
	CACATCTACA ACCNNNAGGA					
30	GGNTTTCTTT CCAAGGTGTN	GCCAGGCCAG	GCAAGCCTTC	CAGGCCATGA	ATTCCTTACT	420
	TAGGTACCTN GGGGTTTGGG	GTGGGNGNCC	CAGNCAAAAT	TCTNGGGTTN	CGTNCNCTTT	480
	GGTTNNGNCC AGNTTN					496
35	SEQ ID NO:1496					
	SEQUENCE LENGTH: 492	•				
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS01702		•			
40	SEQUENCE DESCRIPTION:					
	GATCCTGTAC AGCCAGTGTG	GGGATGTGAT	GAGGGCCCTG	GGCCAGAACC	CTACCAACGC	60
	CGAGGTGCTC AAGGTCCTGG	GGAACCCCAA	GAGTGATGAG	ATGAATGTNA	AGGTGCTGGA	120
	CTTTGAGCAC TTTCTGCCCA	TGCTGCAGAC	AGTGGCCAAG	AACAAGGACC	AGGGCACCTA	180
45	TGAGGATTAT GTCGAAGGAC	TTCGGGTGTT	TGACAAGGAA	GGAAATGGCA	CCGTCATGGG	240
	TGCTGAAATC CGGCATGTTC	TTGTCACACT	GGGTGAGAAG	ATGACAGAGG	AAGAAGTAGA	300
	GATGCTGGTG GCAGGGCATG	AGGACAGCAA	TGGTTTGTAT	CAACTATGAA	GAGCTCGTCC	360
	GNATGGGTGC TGAATGGCTG	ANGGACCTTT	CCCAGTNTTC	CCCAGATTNC	CGTTGCCTTT	420
	CCNTNGTGTG AATTTTGGTN	ATCTAAGCCT	AAAAGTTTTC	CCTAAGGCTT	TCTTGTCTTC	480
50	AAGCAACTTT CN					492

	SEQ ID NO:1497 SEQUENCE LENGTH:490					
	SEQUENCE TYPE:nucleic	acid				
5	TOPOLOGY: linear	aciu				
	CLONE:HUNGS01703					
	SEQUENCE DESCRIPTION:					
	GATCCAAATA CACAGAATCA	AGGGAAGGAG	TTGCTTCTTC	TAAGAGTGAT	GCTTAATCTT	60
10	TTGGGTCATG GATGAATTGA					
	GCACGTACAN NCTGTATCAC					
	ACCCCAACCC CCCCTGTCTC					
	GATATTGCCT AGGGAAGATT					
	CCTCTGAGCT GTTAATCAGT					
15	CTGATTCATT CTTCAGAACT					
	ATTCTTTGAT TGTGAAAGCT			-		
	CATTTTTAAA					490
	· · · · · · · · · · · · · · · · · · ·					: -
20	SEQ ID NO:1498					
	SEQUENCE LENGTH: 477					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
25	CLONE: HUMGS01704					
25	SEQUENCE DESCRIPTION:					
	GATCAAACTT CCATATTTGC	CTTGGGAATA	ATGGACAAAG	GGAAATACTC	TTAATTCATG	60
	AATAAAAACT TTGCAGAAAA	TTAGACAGTG	TTTAATTTTC	GAAAACTTCC	CTCTCTAGAC	120
	AGTAGATACC ACCTACTGAT	GGTTACATAT	ACTAGGGAAA	TTTTAAAATT	AGGAAATGCT	180
30	GATAGETEAT ATTATAAATT	TCTAAATCCT	AGGAAGAAAC	GCTTGGAGTG	CTTCTGAATA	240
	TACAGAAGTT CCATTTAAGG	GCAAGTTTCC	CCGTAGATGT	ATCAAAATAC	TACCAACTGT	300
	AAATTGAGGT TTAATTCCCA	AATGTATTCT	ACTTGTTCTA	AAACAATCTG	TCCNCAAATA	360
	TANAACTATA AAGTAATAAA	TTGTTATTTT	CCGCACCAAT	GGGGNATCTC	TAATGGTGGA	420
35	AAATGGTAAT CCTATGGAAA	ATTAATTTT	TTTAANTAAA	ANGGTNATTT	TAATAAA	477
	SEQ ID NO:1499					
	SEQUENCE LENGTH: 476					
	SEQUENCE TYPE:nucleic	acid				
40	TOPOLOGY:linear					
	CLONE: HUMGS01705					
	SEQUENCE DESCRIPTION:		· · · · · · · · · · · · · · · · · · ·			
	GATCCCCGAG TCTTCACAAA			•		
45	TCATAACCTC TACTCTGAGG					
	TACACAAATA CTGAACAATA					
	GACATANATA AGAAACGGTG					
	TGTAGTAAAG CAAATATAAC					
	ATGCACTTCC CACAACNTTT	TTATATGNTT	AAACAGTTTT	ATAATACCAT	ATTANGGGAA	360

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ACTGTTTGTC TCAAGGAAAT AGAGNTTGTG ATATGTTCTA GTNCAATGNA GGTGTAATCA 420

	TGGTNAAATT AAAAGCTTTT	ACTTCCTGGG	CAATTAAAGG	TAATCCTGGT	AGGAAA	476
5	SEQ ID NO:1500					
Ü	SEQUENCE LENGTH: 488					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS01706				•	
10	SEQUENCE DESCRIPTION:					
	GATCCTGACT GCTGTCATGG					60
	CTTCNANAAG TACTCGGGCA					
	GGAGCTGCTG ACCCGGGAGC					
15	CCAGAAGCTG ATGAGCAACT					
	CTGTGTCTTC CTGTCCTGCA					
	TAAGCAGCCC AGGANGGAAA					
	GGGGGCCCTT CTGNGTNGNC					
20	TTNANGANAA NGGGCTTNGA NTTTTAAA	TTGCTTGAGC	AAAGTTTCAA	ATAAAAGNTT	TNTNGGGAAG	
20	MIIIIAAA					488
	SEQ ID NO:1501					
	SEQUENCE LENGTH: 472					
	SEQUENCE TYPE:nucleic	acid				
25	TOPOLOGY: linear					
	CLONE: HUMGS01707					
	SEQUENCE DESCRIPTION:					
	GATCCAGAAG CTGATGGATG	TGGGTCTGAT	TGCAATTCGG	TGATGACTTG	TTCATACCCC	60
30	CTTCCCTTCG CCCTCATGTG					120
	AGGGAGAGCA GGGGAGAGAA					
	CACAGAGACT CGTACCTGCG	CTGTTTGTGC	CGCCGCTGCC	TCTGGGCCCT	CCCAGCACAC	240
	GCATGGTCTC TTCACCGCTG	CCCTCGAGTT	CCATGTCTCT	TTCCCCTGCC	CCTAGTTGCT	300
35	GTCTCGGCTG CTCTCCCATA	GTTGGTTTTT	TTTTTNATTT	GGGGCAGTGG	GCATGTTAAT	360
	GGGGGAGGGG AGGGGGTTCT	TCCAGCCTNA	GGTCCCAGTT	GGTCTNACGT	NGTTTAATTC	420
	TTGGGTCCCC TTTTTCCAAT	TAAAACAAGC	CANTNGGGGC	GTGGGTTNTA	AA	472
	070 ID NO 1500					
40	SEQ ID NO:1502					
40	SEQUENCE LENGTH: 469					
	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE: HUMGS01708					
	SEQUENCE DESCRIPTION:					
45	GATCGCAAAT TGCTNGAGCT	CTTCTCCAAT	AAATACTGCC	TGAATACGTT	ርልርተተራተተራተ	60
	AGCTTGCTTA CTAATGCAGA					
	GAGCAGTCAG AAGCCCAGCT			_		
	CGAAAATCAG AAGACAAACT					
50	GCTATCCATG GATTGATGTC					
	CTCTTCCACA GTCTCTGAGA	•				

	GGTAACACTT TTAAANCCAG				TTCTCTGAAG	
	TGGTCCTAAA TATTANTATC	CCIGIAAIAA	ANGUIUIIIA	AANIUUAAA		469
5	SEQ ID NO:1503					
•	SEQUENCE LENGTH: 466					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS01709					
10	SEQUENCE DESCRIPTION:					
	GATCTGCAGT GGCTGTTTGA	CCAGACCACA	AAGTTCACAT	CTCCTGAGCT	TAGTGTCCGT	60
	GGCTGTCCAC CTCCCAGCCA					
	CCCATGACCT GTGGGCTCTG	CAGATGGACC	TCTCTCCGCT	AGAGATGCCC	TTCTCCCAAA	180
15	TGGCTTCCCT CCTGGAAGGC	CCAGCCTGAG	TCCTCGTCTC	CTTTCCAGTG	CTTCTGCCAG	240
	AAGCATCCCC ATGATGTTGT	GACCGCACAG	CACTTTGTGT	CTTGCTTTGA	GCACTTGCCA	300
	CTCTGGCTGG TGCTGCTGCC	ACTGATTGTG	TACTGTCTTG	CTGCCCTTTC	TAGACTGTGA	360
	GCTCCTCGTG GGCAGGGACC	GCCTGTGTTC	TCTGTATTTC	CCACGGAGCC	TAAGNACAGT	420
20	GCCTTGCACT TGATAAGGTG	CTTAATAÄAT	GTCTGNTCAA	CTGAAA		466
20						
	SEQ ID NO:1504					
	SEQUENCE LENGTH: 465					
	SEQUENCE TYPE: nucleic	acid				
25	TOPOLOGY: linear					
	CLONE: HUMGS01710					
	SEQUENCE DESCRIPTION:					
	GATCACTGTG TTCAGTGTTG					
30	CCAGAAGGC AAGGTGCCAA					
	GAAAGGTTGC CCATCATGAC					
	AGTATCTTCC ATGTTAATGT					
	TCTGCCAATA AAGTTGCATG					
	CCAAGAATGT TTTCTTACAA					
35	ACTTTTGAGC CTCAACTTAA GCCTTTTCCT TTTATGTAAA				TTAACAGCAA	
	GCCITITCCI TITATUTAAA	ATTAMATOTA	IIUIUUAAII	IGAAA		465
	SEQ ID NO:1505					
	SEQUENCE LENGTH: 462					
40	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear	4014				
	CLONE: HUMGS01711		•			
	SEQUENCE DESCRIPTION:					
45	GATCTTGTCT TTAAAACATG	ATAGTCCTTT	CAGTATAATG	TCTTAGATTA	AAGACGTTGC	60
	CTTTAATATC TGTTGGGAAG					
	TTTTNTTGTT TACATAGGGA	ACAATGTTTA	TAGTCGTGTG	TACAGTGGGG	GTCTACANCN	180
	NGAAGTGTAT ATTTTCAAAC	AATTTTTAA	NGATTTAACA	ATTTTTGTAA	ATCATTTTCA	240
	GGCTTCTGCA GCTGTAGATT	CTCACTGTGA	ATCCCTTGCT	TGCTCATGCA	TAAGTGTATT	300
50	TGCAATACCA NATATACAGG	TTTAGTATTT	TTGCCTGTTA	GTNGATTGTT	TCACATGNGT	360

	AACGTNTTGG GTGAGATGTT TAATTTTAAN NCATATGNAA				ATGTGGGNAG	420 462
5						
	SEQ ID NO:1506					
	SEQUENCE LENGTH: 459					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
10	CLONE: HUMGS01713					
	SEQUENCE DESCRIPTION:					
	GATCCCAAGC AGGCTCACAA					
	CAGATTATTT TCCTACCACT					
15	TTAAAATATT TTAAGCTCCC					
	ATACAGCCAT AGGCACCCAC					
	GACCTTCTGA GTAAAGGGCT					
	GTTAAATGTA TAAAAAGCTA					
	AAAATGTAGT GTACAAATTA	TTTGAAAATC	CCAGAAGGGA	AGGTACTTTT	CAAANACAGT	420
20	ATTTTTTTA ACAAATAAAC	TTACGNTTTT	TACAGCAAA			459
	SEQ ID NO:1507					
	SEQUENCE LENGTH: 454	. ,				
25	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS01714 SEQUENCE DESCRIPTION:					
	GATCTCCTGT CCATCAGCCA	CCACACTOAC	C#0#0#0#0	THICCOCCA	T000040000	00
30	TTTTNTNGAG CCAGGCCTCT					60
	CACGGCCACA TTTGGTTCTA					
	CCGCTTCCCT ATTTATTNAT					
	AAAGGGGGCA AGAAGTAGCA					
	AATTCAATTT GGACTGGTGT					
35	TATAAGCTCA GATTATTTTA					
	NTGGGTTCTG GAATAAACTT			MOOMMINIO	AIRCIGITOR	454
		0.101001				
	SEQ ID NO:1508					
40	SEQUENCE LENGTH: 453					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS01715		•			
45	SEQUENCE DESCRIPTION:					
-	GATCGAGCAG TGTGACTACC	CCCCACTCCC	CGGGGAGCAC	TACTCCGAGA	AGTTACGAGA	60
	ACTGGTCAGC ATGTGCATCT	GCCCTGACCC	CCACCAGAGA	CCTGACATCG	GATACGTGCA	120
	CCAGGTGGCC AAGCAGATGC	-				
	CTTATCAAAG CCAGCACCAC	TTTGCCTTAC	TTGAGTCGTC	TTCTCTTCGA	GTGGCCACCT	240
50	GGTAGCCTAG AACAGCTAAG					
	TTACAGCAGA TGCTGAAGGA	GAGCAGCTGA	GGGAGGNGGN	GCTGGCCACA	TGTCACTGNT	360

	GGGTCAGNTT CCAAAGTCCT TNAAGGGCAG GTNGGTTNAA			CAATNTNANN	TNGGGTCAAN	420 453
5	SEQ ID NO:1509 SEQUENCE LENGTH:450					
	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
10	CLONE: HUMGS01718 SEQUENCE DESCRIPTION:					
	GATCCTGGGG AAGGTGGGGA	ACATGCTTGC	ΔΩΤΔΤΩΤΝΤΩ	CCTCTNTCTN	TGCTCACATA	60
	AGCATTCCGT CCATCTGAGC					
	TTNTGTATCA TAGATTCTAG					
15	TCCAAAAGGC TATTTCAAAG					
	CATTGACTTC CCGCATAAGG					
	NATGTGTTGT TTTCCGTTGT					
	GATTTNTNAG TGGGAAGCAT					
20	AACCTANTTA ANTNTTTANC					450
	SEQ ID NO:1510					
	SEQUENCE LENGTH: 449					
	SEQUENCE TYPE: nucleic	acid				
25	TOPOLOGY:linear					
	CLONE: HUMGS01719					
	SEQUENCE DESCRIPTION:					
	GATCCATGGA TGTAGTGGGG	AGTGGAAAAT.	GGCACAATAT	CAAGTGTGAG	ANAGGNGATA	60
30	NACTTCGACT CTNCTGCCTT	CAACTGAGAN	CAGTTGACCG	CAAGCTGAAA	CTGGTGTGTG	120
	GNAGTCACAG CTTCATCAAG	GTCATCAAGG	CCAAGAAAAA	CAAGGAAGGA	CCAATGAATG	180
	TTAATTGAAA TATGAAAGCT	GAAATGCAAC	AAACAACTTC	CGCTTAAAAC	AATTAAGTTG	240
	TTAATAACTG TGATTTTGTA	${\tt AATTTCAGTA}$	ATTCATTTAA	ATGATGTTTC	AGTAGATATA	300
35	TTCTAGCATA TTANGAGCTT	TTATAACTGA	GTTATAGATT	AGTTTGCTTT	CTGGAATAAA	360
33	ATTTTCTTCT TATACTCTTC	CTTTTTTTA	GATATNACAT	TTTGCTTTTA	TGNCATTCAC	420
	GGGGCAAAA ANTAAAATAT	CTTTTTTTN				449
	SEQ ID NO:1511					
40	SEQUENCE LENGTH: 464					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS01720 SEQUENCE DESCRIPTION:					
45	GATCAGAATC ATGGTCTCCC	CCACTGAAGT	GGACATGTTG	AAAATNAGGT	<u>ርፐርል ል</u> ፐፕሮል ጳ	60
	GAGAAAGTAC GGCAAGTCCC					
	GAAAGCGCTG CTGTACCTGT					
	AGAAATGGTG CTCACCATGC					
50	GTCCCCGTGG CCATCCCTGT					
	CCTAAGCATT NCCTGGCCTT					

	CAAGGGAGTT TGGAAGTNAA	GTCTATGANT	GTGAAACAAC	TTTTNNCCTC	CTGTNGTNCT	420
	GTGTTAATAA ANCAGGTGNA	TTAAACTGGN	TTTNGTACTT	TAAA		464
5	SEQ ID NO:1512					
	SEQUENCE LENGTH: 445					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
10	CLONE: HUMGS01721					
	SEQUENCE DESCRIPTION:					
	GATCTTGCCA TGGAAGATAC					
	TTTGACATTT TAAACATGAT					
	GTTATTTATA ATTAATTCAC					
15	CCATAATGTT GGAATTTGGT					
	AAGATATACA CACCCTAGTT					
	GTATTCTGAA CCAGGAACAC					
	AATTCTAATT ATNNGGAGTA		ACCTAAATNT	TTATGTCAGT	GGGGNCTGTA	
20	CTTGTCTGTG GGANCTTAGC	AAATN				445
	SEQ ID NO: 1513					
	SEQUENCE LENGTH: 435					
	SEQUENCE TYPE:nucleic	acid				
25	TOPOLOGY: linear					
	CLONE: HUMGS01722					
	SEQUENCE DESCRIPTION: GATCAATCGG ATTGAGAAGA	ነ <i>ር</i> ነ <u>ም</u> ርር ተር ነር	CTCACCCCAC	TACCTCGAAC	GTGGGCAGGA	60
	GCACGTCAAG ACGGCCCTGG					
30	CATCTGTGTG TCCATCACCG					
	ATAATGTCGC ACATTGTTGG					
	CAGCAGCCTG GGGGCAGGGC	•				
	GCAGANGGTN AGACAGTTCT					
35	TNAGGCCTCA ATGCCTGGGG					
33	TNTAAAAATT TTAAA	441114444	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			435
	SEQ ID NO:1514					
	SEQUENCE LENGTH: 434					
40	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS01724		•			
	SEQUENCE DESCRIPTION:					
45	GATCTAACCT AGACTAAAAT					
	GTGATTCTNC TCCAAAATTG					
	TATATTTTC AATTCCAGAT					
	ATTTTTCCTC ATTTTATCAA					
50	GAAGCTGTTC CCACTCCCAG					
50	TCTCTGATTC TTTAATAAAT	TATCTTTATA	GGAATATGCA	CAAGTTTTTT	TTACACTCAG	360

	TGTTAAAAGT ATTTATTAAT NGGGAAGTCA ACTTAATGTT TTGAAATAAA NTATATGNCT CTGGTTAATG CAAA	420 434
5	SEQ ID NO:1515	
	SEQUENCE LENGTH: 423	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
10	CLONE: HUNGS01726	
	SEQUENCE DESCRIPTION:	
	GATCCAGTGA TTCANTCACT TAAATNAAGT CTTTTGGTCA GAAATNACCT TTTTGACACA	60
	AGCCTACTGA ATGCTGTGTA TATATTTATA TATAAATATA TCTATTTGAG TGAAACCTTG	
15	TGAACTCTTT AATTAGAGTT TNCTTGTATA GTGGCAGAGA TGTCTATTTC TGCATTCAAA	
75	AGTGTAATGA TGTACTTATT CATGCTAAAC TTTTTATAAA AGTTTAGTTG TAAACTTAAC 2	
	CCTTTTATAC AAAATAAATC ANGTGTGTTT ATTGAATGGT GATTGCCTGC TTTATTTCAG	
	AGGACCAGTG CTTTGATTTT GATTATGCTA TGTNATAACT GACCCNAAAT AAATNCAAGT	360 360
	NCAAATTTAT GTNGNCTGTA TAAGGTTTGT AATAANCCAT GNCTGAGGNC AAAAAAGGGN 4	120
20	AAA	123
	SEQ ID NO:1516	
	SEQUENCE LENGTH: 419	
25	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY:linear	
	CLONE: HUMGS01727	
	SEQUENCE DESCRIPTION:	
		60
30	TGCCCTGTGC CTGTGTCCCC CATGCTAGGG GCGGAGGGGT CTTTTCCTTC TTCTTTCCTA 1	
	CCTACCCCTT TTCTCTTGGC CAGGGGCCTC GTATCCTACC TTTCCTTGTC CCCTGGGCTG 1	80
	GCTGCACAGA GGATTGCCCC TTCTCTTTTC AGAGCTGGCC CTCGATGCCA AATTAGCATT 2	40
	TAGTATTTTG CACAAAGTCT AAGGGACCAT GGCTGCCTGC CTTGGGGAGG AACCATAGCT 3	
35	CCNTCTGGGC CGCTTCTGGC CTCTTGGAGC CATGGGCCAA AGGCAAGGGG ATGGGCAGAG 3	
	GTCTGTGTTT GGTCTGGCCC AGTTCCNCAT CATTAAACTC AGCCTGACTG CTGCCTAAA 4	19
	SEQ ID NO:1517 SEQUENCE LENGTH:419	
40	SEQUENCE TYPE:nucleic acid	•
	TOPOLOGY: linear	
	CLONE: HUMGS01728	
	SEQUENCE DESCRIPTION:	
	CATCOTCA OF ACANOLOGIC ACANOCICE AND ACANOCICE	۰.
45 .	CACGGGNCCA GCTAGGGGTC CAGGTTTCAN TCAGTAAATA AGAGTGGTCC ACGTCCTAAA 1	60
	GACACCTCTC CTNNACAAAG ACTTGTGATG CTCTGGGGNT TCTNTGGCCA AGCCCCACCC 1	
	TTTCCTGGTC ATGGTACCCG TACAGCGTTG ATGGCCACAG CTCGAAGGGG GGCTTTCGTG 2	
	TCCCCCTGTG CGGTCAGTGT TTTCAGTACC ACCTCTCTCC CGTGCCCACT TGGCTATTTA 3	
50	CTTATTTATT TATTGTGTGC CAGTNATGGT GGGTGGGGGC TGGGCCTTCC CCGCCACCTN 3	
	CANCCCTGTT GTGACCTGTC CTTCCGTACT TAATAAAGTG CGCGTGNGGA GTTGTTAAA 4	
		4.0

	SEQ ID NO:1518					
	SEQUENCE LENGTH: 418					
	SEQUENCE TYPE: nucleic	acid				
5	TOPOLOGY:linear					
•	CLONE: HUMGS01729					
	SEQUENCE DESCRIPTION:					
	GATCTNAGCC CTCCGGTTCC	TGGGCAGAGA	GAAAGGCTAC	AGGTTCATTT	NCCTGACGAC	60
	AGCAGTCACA AACAGCGCTC	GCNTTATGGA	GGCCATNAGT	GAGGTGAAAG	CCTGATGTTT	120
10	TTCCCGGCCA NTNTTGACAT	CTTCCCTGAA	CACATTCCTC	AGTGAGATGC	AGGCATCTGG	180
	CACCCAGCTG CTATAACCAA	GTGTCCACCA	ACTACCTGCT	AAGAGCCGGG	AGCATGGAAC	240
	GTGTTGGGAT TTAGAGAACA	TTATCTGAGA	AAAGAGTTCA	CTTCCTGCTC	CCAGGATATT	300
	TCTCTTTTCT GTTTATGAAG					
15	CTTTGCTAAA TCCTGTTTGA					418
	SEQ ID NO:1519					
_	SEQUENCE LENGTH: 404					
20	SEQUENCE TYPE:nucleic	acid				
20	TOPOLOGY:linear					
	CLONE: HUMGS01730					
	SEQUENCE DESCRIPTION:					
	GATCCAATTT ACAGAAATCA					60
25	AGTTTGTCTT TCTAAAGTCA					
	CATAAAATAG GCAGGCCTAT					
	AGTTGACCCA CGTTGCTGCT					
	GGCCTGGCTA CCTCATCTTT					
	CTGCAGCAGC TGGCCCGGTA			_	TTTCCCAAGA	
30	AGGGTGTTTG AACTTAGAGT	CTTAATAAAA	TCTTACCAAA	TAAA		404
	SEQ ID NO:1520					
	SEQUENCE LENGTH: 402					
35	SEQUENCE TYPE: nucleic	acid				
55	TOPOLOGY:linear					
	CLONE: HUMGS01731					
	SEQUENCE DESCRIPTION:					
	GATCTACAGA TACGTGATAT	TNTGGTATAA	CTAGAATCTT	GATTTCTTTC	ATAAAGTTCT	60
40	GCCATGTTCT ATTTCTTTCC	TTAATGTTTT	TTTCTTCCCT	ACTGTTTTAT	CCTCCCTTTG	120
	CTTTGGAAGG ATATTNCTGC					
	GTTGTCAAGG CTGAAAAAAG					
	GAGGATGAGG AGGAGGAGGA					
45	GAATAAGTTG GTTCTAGCGC					
<del>4</del> 5	TACACAACTC ACTCCTTTTA					402
	SEQ ID NO:1521					
	SEQUENCE LENGTH: 407					
	Degranica abituiti, 101					

5	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01732 SEQUENCE DESCRIPTION:					
	GATCTCAGCT GAACAAATTA ACATGTGCAC ACACACACA					
	GATTATGCGA AATACCCAAG					
	AATCTTCAGT TCTTTGTTTA	TGATTCCACT	TAACAAAAGG	CCTGCAGAAG	TGATTTATTA	240
10	TTTGGGTATT TGGAGATAAT					_
	TCAGATATGC TTCATTGTCA	AATGCATATT	TAGGNTAGGT	TAATNGAATT	GTAATGTTTA	360
	ACCTGCTGCT TNTTTTTAA	ATAAAAATTT	GACTGAAAAT	GGTTAAA		407
15	SEQ ID NO:1522	•				
	SEQUENCE LENGTH: 397					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
20	CLONE: HUMGS01733		•			
20	SEQUENCE DESCRIPTION:					
	GATCTAGTAG CCACGCTAAA			•		
	TTGGAGATAT TATTTCAGAA					
	GCATATCTCA GTTGAGACAC					
25	CATAAAATCT AAATTTGCAA					
	AGTTTTCCAA TAACTGAAAT					
	TCCATATTTC AGGTATTAGT			CAGATTCATA	GGGATGATTT	
	CCCAGGTTTG AAGTGTGTGT	ATATTGCTGG	TATTATN			397
30	SEQ ID NO:1523					
	SEQUENCE LENGTH: 395					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
35	CLONE: HUNGS01734					
	SEQUENCE DESCRIPTION:					
	GATCTGTACG AAATGTGAAA	TNTTTAGGGA	CATCTCCATG	CTGTCACTTG	TNATTTGCCC	60
	TCTNATGTAT TTNGGTCATA	TTGCCAACTG	GAAAGTCAAA	ATTTCCTAAC	AACTTTAAGT	120
40	AAGTCCTTTN AAGACTNAGT					
	ACCGCTACTA AAAATNCGAA	AATTTCTCCT	TTAATCACAT	TCAATATGGT	TAAANGAACA	240
	ACACTAATTG ACATTGCGTG					
	CAAGNGGTTG TATAGTATTA			AAATTTNCNA	TTCCAGNGGT	
	TTTGTAAATG TATCCCGGGG	CCNTGNTGCA	TTGGN			395
45	CRO ID NO. 1504					
	SEQ ID NO:1524					
	SEQUENCE LENGTH: 391 SEQUENCE TYPE: nucleic	د: ۵				
	TOPOLOGY: linear	acid				
50	CLONE: HUMGS01735					

	SEQUENCE DESCRIPTION:					
	GATCTCAATG ACCTGGCGAA	GACTGGAAAA	TACAACTCCC	ATCACCAGCA	GAGTTGCTAG	60
	GCTGCTGCTG TATGGGTACA	GAGAAGGGTT	TGACAAAATT	GACCTGACTG	TGGAAGAACT	120
5	TCCAGCAGTT TACACAGGAC	TGTTTTATAA	ACTCTATCAT	AAGGAACTGC	CAGAGAATTA	180
	TAAAACTATG AAAGGAATTG	ATTAAATTCA	CATTTATATG	TTTAGAAACA	TGTAGACTAA	240
	CGAATGACAT AAGAAATAGT	GGACATTTTG	GATTGATTAA	ACATCTGACT	GTGATTTTCT	300
	AATGTATATG ATTTCCATGA	AGAAATTTTG	TTTCTAAACA	TGCACATTTT	AAAAGCCTCT	360
	TTTCGAATAA AGCAAATGCG	TGAAAANGAA	A			391
10						
	SEQ ID NO:1525					
	SEQUENCE LENGTH: 388					
	SEQUENCE TYPE:nucleic	acid				
15	TOPOLOGY:linear					
	CLONE: HUMGS01736	•				
	SEQUENCE DESCRIPTION:					
	GATCCGGCGC CACAAGACCA	CCATCTTCAC	GGACGCCAAG	GAGTCCAGCA	CGGTGTTCGA	60
	ACTGAAGCGC ATCGTCGAGG	GCATCCTCAA	GCGGCCTCCT	GACGAGCAGC	GGCTGTACAA	120
20	GGATGACCAA CTCTTGGATG	ATGGCAAGAC	ACTGGGCGAG	TNTGGCTTCA	CCAGTCAAAC	180
	AGCACGGCCA CAGGCCCAGC					
	GCCCTGTGCA TCGAGCCGTT					
	GACTCGGGAA GCAGTGCCAA	TGAACAAGCC	GTGCAGTGAG	ACCCCCAAGA	GGCCCATTTC	360
25	CCCCAATAAA AGAGATTTGG	GAGTCAAA				388
	SEQ ID NO:1526	•				
	SEQUENCE LENGTH: 388					
30	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS01737					
	SEQUENCE DESCRIPTION:					
	GATCTTATTT CTTCTACTCA					60
35	CTCTCCGTGC TACCCTTCTG				<del>-</del>	
	GAGACCAGCG TATTTTAGCT					
	GCTTGACTTA TTTTACTTAA					
	GTATTTCATT CATTTTTGTG					
40	ATCCATTCAT CACTGATGTG		GALICCALAL	IIGGGCIAII	GIGAATAGIG	
	TGTTAATAAA CATGAGAGTG	CAGIIAAA				388
	SEQ ID NO:1527					
	SEQUENCE LENGTH: 385					
	SEQUENCE TYPE: nucleic	aaid				
45	TOPOLOGY: linear	acru				
	CLONE: HUMGS01738					
	SEQUENCE DESCRIPTION:					
	GATCTTCCTG GTCAGCGCTC	TCTCTAGCAT	ACTOTTCCTC	TATTTGGCTC	ACAAACAGGC	60
50	ACCAGAGAAG CAAATGCAC					

	ATGACCATGA GTAGCATCAG CCAGAACATG AGAGGGAGAA CTAACTCAAG ACAATACTCA 180
	GCAGAGAGCA TCCCGTGTGG ATATGAGGCT GGTGTAGAGG CGGAGAGGAG CCAAGAAACT 240
	AAAGGTGAAA AATACACTGG AACTCTGGGG CAAGAGATGT CTATGGTAGC TGAGCCAAAC 300
5	ACGTAGGATT TCCGTTTTAA GGTTCACATG GAAAAGGTTA TAGCTTTGCC TTGAGATTGG 360
	CCTCATTAAA ATCAGNGACT GTAAA 385
	SEQ ID NO:1528
	SEQUENCE LENGTH: 377
10	SEQUENCE TYPE:nucleic acid
	TOPOLOGY: linear
	CLONE: HUMGS01739
	SEQUENCE DESCRIPTION:
15	GATCCGTACT CAGAACGTCC AGGAGAGACG CATGGCCCGA AGTCAAAGTG CTGGAATTTT 60
	CCAAAACAGC CTGTTCTCTC CTCTCTCCTC CCCAGAGCAC CCCCTGCCAT CAGGGGGGTT 120
	GAAATCCCTC TCCCCCAGGA GCCCTGCTGC TTTGCTTGGT GGTAGGGCAG GAGAGCAAAC 180
	AAACAGTCAT GGTCTAAAAC CCACATAGCA CTTTGCTCTT AGTTACATGT AAAATTTTAG 240
	ATTTCTAXAA CAGGTGGGCA ATCATTTTGA ATACTGTTCT GTGACCCTGA CTGCTAGTTC 300
20	TGAGGACACT GGTGGCTGTG CTATNGTGTG GCCATGCTCC NTTGTCCCCG TNCCTGTTGG 360
	CTGCTTCTGT TTAGGTN 377
	SEQ ID NO:1529
25	SEQUENCE LENGTH: 167
	SEQUENCE TYPE: nucleic acid
	TOPOLOGY:linear ·
	CLONE: HUMGS01740
	SEQUENCE DESCRIPTION:
30	GATCCAAGGC CTGTGGTAAA CGGGAGANCT TGTNTTTTTC AAGTGGAAAA AAACCCAAGA 60
	GTTTGTNCAG ACATCCTGTC TTCCCAGAGA AGGTGGACAC TCTTGGNCTC ATTGTAAAGT 120
	GCCTGCTGNA TCAATAAAGC TCTTGGCTTA TTAGTCTATA AAACAAA 167
35	SEQ ID NO:1530
	SEQUENCE LENGTH: 372
	SEQUENCE TYPE:nucleic acid
	TOPOLOGY: linear
40	CLONE: HUMGS01741
40	SEQUENCE DESCRIPTION:
	GATCCACACG TTCCGGGACT ACCTGCACTA CCACATCAAG TGCTCTAAGG CCTATATTCA 60
	CACACGTATG CGGGCGAAAA CGTCTGANTT CCTCAAGGTG CTGAACCGCG CACGACCAGA 120
	TGCCGAGAAA AAAGAAATGA AAACAATCAC GGGGAAGACG TTTTCATCCC GCTAATCTTG 180
45	GGAATAAGAG GAGGAAGCGG CTGGCAACTG AAGGCTGGAA CACTTGCTAC TGGATAATCG 240
	TAGCTTTTAA TGTTGCGCCT CTTCAGGTTC TTAAGGGATT CTCCGTTTTG GTTCCATTTT 300
	GTACACGTTT GGAAAATAAT CTGCAGAAAC GAGCTGTGCT TGCAAAGACT TTCATAGTTC 360
	CCAAGANTTA AA 372
50	
50	SEQ ID NO:1531

	SEQUENCE LENGTH: 372					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
5	CLONE: HUMGS01742					
•	SEQUENCE DESCRIPTION:					
	GATCCACTGT TGGGGCCTCG	ACGAGTTCCT	GTCCTGGGAA	AGGAGTACAC	CGAGAAGACC	60
	CCCATTTCTG AGCATGCTGT					
	GAGAATGGGA TAAGGGTGGA					-
10	GCACATTGGA GATTTATCCT					
	TTGGCTATCA GAACCTTAGG					_
	TCTGCATGTA TTCATAATTC					
	TTCCCTTTCA AA	INICANGICA	ICITIONITO	CIUUACCIAA	INNATITIII	372
	TICCCTITCA AA					312
15	CEO ID NO. 1522					
	SEQ ID NO:1532 SEQUENCE LENGTH:368					
		: 3				
	SEQUENCE TYPE:nucleic	acid	-			
20	TOPOLOGY:linear					
	CLONE: HUMGS01745					
	SEQUENCE DESCRIPTION:				######################################	
	GATCCCAGTC ACAATTATCA					
	TATTTTGACA GAGCAACATA					
25	AAGTCCGCTG GAGAAATCCT					
	GGAACTTAGA AACGGTTGCC					
	ATGGTTTACT AGAAATGTTT					
	ACTGAATTTA CACAGTTTGC	TICATTGTAT	TTTCAAACAA	ATAGAAAATA	AACTTATTAG	
30	GAAGCAAA					368
	SEQ ID NO:1533					
	SEQUENCE LENGTH: 364					
	SEQUENCE TYPE:nucleic	acid				
35	TOPOLOGY:linear					
	CLONE: HUMGS01746					
	SEQUENCE DESCRIPTION:					
	GATCGTCCCC GTATGATGAT					
40	ATAAATTGGG CTGGGGAAAC					
.0	AATGTGCAGT ATTCTCTGCT					
	CCACCCATCG GGTTTTGGGT					
	CCAGATTCTA AGAACCTGGA					
	ACGGTTTGTA TTTCATTACA	GCTATTCATC	TTTTCTACAT	TAAAAATATT	TTTCTCTAAA	360
45	GAAA					364
	SEQ ID NO:1534					
	SEQUENCE LENGTH: 362					
	SEQUENCE TYPE: nucleic	acid				
50	TODO: 00V. 1:					

55

TOPOLOGY:linear

	CLONE: HUMGS01747					
	SEQUENCE DESCRIPTION:					
	GATCTGTGCC ATAAAATTTC	AGTGTAATAA	GACTTCTTCA	ATACATCTTC	CAATAAGGGG	60
5	TGCTTCTTTG TGACAGTATT	TTTATTTCTG	ACATTCATTT	TATTTGGGTA	CATAGTGTGG	120
	TTGTTGATAC CTTGCAATAG					
	AGAAGTTTAC AGAATTACTT					
	TCTCATTATT TCATCACTGC					
	ACTTCAGTTT TAAAACATTA					
10	AN	TTTUCCTAAA	ATTAGORITA		10/00/00/00/01	362
	AN					302
	000 ID NO. 1505					
	SEQ ID NO:1535					
	SEQUENCE LENGTH: 361	. ,				
15	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS01748					
	SEQUENCE DESCRIPTION:					
20	GATCCACCTC TCCTGTGCTA					
20	GAAATGCAAG GAACTGAGGC					
	GCCCTGATGG CACCAACTTT					
	GCCTCAGGGT CCTCAGCCTA	TCCCCTGGAG	CTTGGATACT	GTCTGCACTT	CAAGGCAGGA	240
	ATTCTCAAGG GAGACTTGTT	TGAAAATNAG	TGTCTCACTT	TCCCACCCTA	TCCTTCCTCC	300
25	CCACTCTGTG GACTTGAAAT	TGAATCCATT	ACGGTTGGGG	ATGGGAGGCT	GTCTGTGTCC	360
	N					361
٠	SEQ ID NO:1536					
	SEQUENCE LENGTH: 360					
30	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS01749		•			
	SEQUENCE DESCRIPTION:	*				
35	GATCGATTCT CTCTATGAAG	GAATCGACTT	CTATACNTCC	ATTACCNGTG	CCCGATTNNA	60
33	AGAACTGAAT GCTGACCTGT					
	TGCCAAACTA GACAAGTCAC					
	CCCCAAGATT CAGANGCTTC					
	CAACCCTGAT GAAGCTGTTG					
40						
	CAAGTNINNG AATGIICAAG	ATTNGCTGGC	ICLINGQUÍG	ICACIACICI	TITCCCTIAN	300
	000 ID NO. 1507					
	SEQ ID NO:1537					
	SEQUENCE LENGTH: 358	• •				
45	SEQUENCE TYPE:nucleic	acid				
•	TOPOLOGY: linear					
	CLONE: HUMGS01750					
•	SEQUENCE DESCRIPTION:					
50	GATCCCAGTG AATCCTGGGT					
	CAGAGACAGG AAGTCTTCAG	GGGAGGTCAC	CTGAGCCCGG	ATGCTTCTCC	ATGAGACACA	120

·	TCTCCTCCAT ACTCAGGACT	CCTCTCCGCA	GTTCCTGTCC	CTTCTCTTAA	TTTAATCTTT	180
	TTTATGTGCC ATGTTATTGT					
	GGATAAGTGT BECCTATGGG					
5	TGGATAACAC ATTTGATTCT					358
	SEQ ID NO:1538		•			
	SEQUENCE LENGTH: 354					
	SEQUENCE TYPE: nucleic	acid				
10	TOPOLOGY: linear					
	CLONE: HUMGS01751					
	SEQUENCE DESCRIPTION:					
	GATCCCTCCT CTAGGGGCCT	GGGGACTTTN	ACTGATGCTC	TTCCTGATTC	TAGAGCAAAG	60
15	GTGTGGGAAG GGGAAATGGA	GGAATGCCCT	CCTGTCTGTN	TCGTTCTCTG	TGCCACAGCT	120
÷	ACAGATGCAG AAGGTTTCTC	TGGATAGCAC	ACCTCTGANT	GTAAATCATG	ATAAAATGGA	180
	TATTTGGAAA CTTACTCCTA					
	AATATCAAGG GCTGAGACTT	TTGAATTTTG	AATATTCGTT	GGGTTTCATG	TTAAGANGCC	300
20	TGTGGTCTAG GAGTGCTATT	CAGTGTTTCT	TTTCCTGATA	AACACTTTGA	ATAN	354
20						
	SEQ ID NO: 1539					
	SEQUENCE LENGTH: 352					
	SEQUENCE TYPE:nucleic	acid				
25	TOPOLOGY: linear					
	CLONE: HUMGS01752					
	SEQUENCE DESCRIPTION:		0011117000	TCC1C1C1CT	<b>ጥ</b> ር ጥጥር ጥር ጥ	co
	GATCTCAGTA TGGACAGTGT TGTAAATATA AACTAGGACA					
30	TAATGTAAAA CTTCACTTAA					
	AGNGGTAAGA AATAATATAA					
	ATTTAATAAA TCTTTAAAAA					
	AATCATTGTC TTAAATTTTT					352
35		4110/44111111				
	SEQ ID NO:1540					
	SEQUENCE LENGTH: 351					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
40	CLONE: HUMGS01753					
	SEQUENCE DESCRIPTION:					
	GATCAGACAA GCCCAAACTG					
	GTNCCAAGGC CGTGAACAAT					
<b>45</b> .	AAGAAATATG ATAACTAACT					
	GACCAGAAAT AAGATTTCAT					
•	TGTAAGATGT TAACATTAGT					
	CACCCTTTGA AAGTCTAACT	TTTTTCAAAA	TAAAAAGTTT	TAAAAAATAA	A	351
50	SEQ ID NO:1541					
	254 ID MO. 1941					

	SEQUENCE LENGTH: 357					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear				•	
5	CLONE: HUMGS01754					
	SEQUENCE DESCRIPTION:					
	GATCCCAGAT GCAGTGACTG					
	ACGCATAATT GGGCTCATCT					
10	TGCCCTACAG CACTGCAAAA					
10	GGACCGCAAG TACACTCTAA					
	CAATGTGAAG AAGCCGCACT					
	NCCCATGINC NTACACCAGC	CTGTTTTNAT	AATAAACTTT	ATTGGTGGTA	GGGNAAA	357
15	SEQ ID NO:1542	•				
	SEQUENCE LENGTH: 412					•
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
•	CLONE: HUMGS01755					
20	SEQUENCE DESCRIPTION:					
	GATCAGGGCA GTAGGCATAA	TTCAGCAACA	AACAATCTTC	CTTTGGGAGA	AACCTNTTCA	60
	TTCCAATCTT CTAATTACAG	TGGTTCCTAT	CTCAGGGATA	CTGGACTTTN	TGACGCAGAT	120
	GAACAATTAA GGGGAAAAGC					
25	TCCTGAGAAA AACTTCAGGT	TTTGAAAATC	AGATGATGTC	TTCTCCTTTT	CCAANCACCA	240
	CACGTTGAAA GCNTTTATAA					
	NTACACAACT TGTTTTCTNN					360
	TGGGGGGGG GGNNTGGCGN	TTNCCACCGC	GCGTTCCNTT	TTTGNNGGGT	CN	412
30	SEQ ID NO:1543					
	SEQUENCE LENGTH: 343					
	SEQUENCE TYPE: nucleio	acid			*	
	TOPOLOGY:linear					
35	CLONE: HUMGS01756					
	SEQUENCE DESCRIPTION	:				
	GATCCCAAAA TGCTGCGGG	G CAATGACAGC	TCAGTTCCCA	GAAATAAAAA	TCCATTCCAA	60
	GAGGCCATTG TTTTTGTGG	r gggaggagg	AACTACATTG	AATATCAGAA	TCTTGTTGAC	120
	TACATAAAGG GGAAACAAG	G CAAACACATT	TTATATGGCT	GCAGTGAGCT	TTTTAATGCT	180
40	ACACAGTTCA TAAAACAGT	r gtcacaacti	GGACAAAAGT	AACACAGAAG	AACCTTACTA	240
	TGATAATCTA CTTGGAATG	r ggataaatgi	* AAAANGNAGA	AAAGTTAGAA	. NGNGCANTAT	300
	GTTTCCTTCT CTGTAACAG	I GTCCTAACAG	TGAAAATTCA	. GGN		343
45	SEQ ID NO:1544					
· <del>-</del>	SEQUENCE LENGTH: 340					
	SEQUENCE TYPE:nuclei	c acid				
	TOPOLOGY:linear					
	CLONE: HUMGS01758					
50	SEQUENCE DESCRIPTION	:				

<b>5</b>	GATCGANCTT NCTATGGACT ACATTGCTCA TCAGCGATGA GTNAGGCTGG TGGACAGTGT CACGTTTCTG GGGAACAGNT GTTCCCGAAC TTTCTGACCA CTTAAAAATTT GNGACAATCT	GCTCTTCAGG GAAAGAGAAT CAGCCAGTTG AGAGGGTGAT	CATCAGGATG NCAGGCACCG ACTGGGGTAG TCCAGTTCTG	TAGCCACACG TTAGGATATN CTGCCATTCT	GAGCCGGTAT CTCTAGTCTT CCGCTTCCCT	180 240
10	SEQ ID NO:1545 SEQUENCE LENGTH:339 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01759	acid	·			
20	SEQUENCE DESCRIPTION: GATCTGCTTT CATTAACTGG TCAGCATACT CAGTGTCAAG GGGAAAACAT GTTCAGGGCT CTGGTGCCAA ACTTCGAATG TCCTAATAGA GTAATTCTCC AGCTAAGTTA CTTGATTAAA	CTAATGAGGT TCTAGAACAC GAATACAAAT ACTTTGCTCT	TCTATTATAA TAAAAAATTN NNACATAATC ATTGAACTGT	AGGTTCTACT GGNTTAAACC TGANCTTTGT	TTTAATCTGA AGTGTNCAGT NCACAGGTTA	180 240
25	SEQ ID NO:1546 SEQUENCE LENGTH:362 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
30	CLONE: HUMGS01760 SEQUENCE DESCRIPTION: GATCTGGTAG AAGGTACCAG TGTAGGGAGC CTAGGGAGCC CCCACTCTGA GCTCCCACGA	TGGTCATCAA	CTTGCAATAC	CTCACAGAGC	CAGTTCACAT	120
35	GGCAGAGGCA GCTGGAGCGC ACTGAGTGGC TGACAGTTAT GGCTTGATGG TGGNCAGGCT TN	CGTTCTCTCC CTTCCAACCC	TGCTGGGACA CAACTGGCTT	CCGCTTGGGC GGGGGCAGGA	TTTGGTATTG CAAGGGCTTA	240 300
40	SEQ ID NO:1547 SEQUENCE LENGTH:335 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
45	CLONE: HUMGS01761 SEQUENCE DESCRIPTION: GATCCTTTCA GAAAAGAAAC CAGAAGAATC CAGCCTAATA TCCATCCCTC ACCACAGTTG	ACTGGGTCCC CTGGAATTTG TCTAGGAAAT	TGCTATTATC GACATGAATT	TTCCTCTCCA CAATATCTAA	GCCCCCCAAC TGTCAACCAA	120 180
50	TGGGGAGAGC CACAACTCCA GAAGACCAAC AAGTTTTGTC					

	TAAAATACTA GGTCATTGGA	GGCTAATGTG	GGAAA			335
5	SEQ ID NO:1548 SEQUENCE LENGTH:330					
	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01763					
10	SEQUENCE DESCRIPTION: GATCATTAAG GAAGGCGATC	TAGATGTTTC				
	TGCAAATNTT GACACATATO AGTATACTGN TCCTTATTTT					
	AATTATAAAA TGTTAATAGI					
15	NCCACTTGGG GAACCATTCC TNNAATGGTT TTNCAAAGTN		ANGGGGCATT	CCCATTTCCT	NTTNATCCCC	300 330
	SEQ ID NO:1549					
20	SEQUENCE LENGTH: 330					-
20	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE: HUMGS01764					
	SEQUENCE DESCRIPTION:					
25	GATCATGGTG GATGAGGAAG					60
	GCNTTCTCCC AGTGTGCTCT AGGTGTAAGA AACTGTTTTN					
	CCTTTTAAAT ATTCTTTTTA					
30	TATACAACCA NCCAGTTTCT		ATCATCTCTG	ANGAGTTGCT	GTTTCTTACT	
•	GACAATAAAA NNTGTNCTCT	TGGTTCGAAA				330
	SEQ ID NO:1550					
	SEQUENCE LENGTH: 329	• •				
35	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE: HUMGS01765					
	SEQUENCE DESCRIPTION:					◄
40	GATCAACATC TTTCCTTGCC GGGGGCAGTG GTGTGGAGAA					
	CCAGAGGAGG GCAGCAGAAG					
	GGCTCTTCTC ATTTCACCCC	TCCCTTTCTC	CCCTGCCCCC	AGGACTGGGC	CACTINITGGG	240
	TGGGGCAGTG GGTCCCAGAT		TGAGAATGTA	AGAACTACAA	ACAAAATTTC	
45	TATTAAATTA AAATTTNTGT	GTCTCCAAA				329
	SEQ ID NO:1551			-		
	SEQUENCE LENGTH: 334					
50	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid			•	

	CLONE: HUMGS01766					
	SEQUENCE DESCRIPTION:					
	GATCCCAACT GCTCCCTNCC	CTCGCCGGTG	ACTCCTGCAC	CTGCGCCGGC	TCCTGCAAAT	60
5	GCAAAGAGTG CAAATNCACC	TCCTGCAAGA	AAAGCTGCTG	CTCCTGCTGC	CCTGTGGGCT	120
	GTGCCAAGTG TGCCCAGGGC	TGCATCTGCA	AAGGGGCGTC	GGACAAGTGC	AGCTGCTGCG	180
	CCTGATGCTG GGACAGCCCC	GCTCCCAGAT	GTAAAGAACG	CGACTTCCAC	AAACCTGGAT	240
	TTTTTATGTA CAACCNTGAC	CGTGACCGTT	TGCTATATTC	CTTTTTCTAT	GAAATAATGT	300
10	GAATGNTAAT AAAACAGCTT	TNACTTGAAA	CAAA			334
	770 ID NO 1550					
	SEQ ID NO:1552					
	SEQUENCE LENGTH: 328					
16	SEQUENCE TYPE:nucleic	acid				
15	TOPOLOGY: linear					
	CLONE: HUMGS01767					
	SEQUENCE DESCRIPTION:					
	GATCTGTTTG GACTATGTTT					
20	TCTAGTTCTT TTACCAAGAT					
	TCAATTTCCT TGTGAAAACA					
	AGCTTCTGGT GATATCTTTN					
	CTCATAAAAG TGAGCTTTGA		ACTCTTAAAG	AAAATGTCAT	TTTAGACAAT	
<b></b>	TAAAATATTT GTGCTCAACT	GCTTGAAA				328
25	070 ID NO 1550					
	SEQ ID NO:1553					
	SEQUENCE LENGTH: 327					
	SEQUENCE TYPE:nucleic	acid				
30	TOPOLOGY: linear					
	CLONE: HUMGS01768					
	SEQUENCE DESCRIPTION:					
	GATCGAAATG TTAACACCGG					60
05	AACATACTAA ACGGACAGAC					
35	ACGTGAACTC GGTTGTAACG					
	GACTCCTTTT CCAGGGCCTC		•			
	TCCACTGTAA CTACCAATCT		TAAGACAGTT	TTGTATCATT	TTGCTAAAAA	
	TTATTGGCTT AAATCTGTGT	AAAGAAA				327
40	SEQ ID NO:1554					
	SEQUENCE LENGTH: 326					
	SEQUENCE TYPE: nucleic					
	TOPOLOGY: linear	aciu				
45	CLONE: HUMGS01769					
<del></del>	SEQUENCE DESCRIPTION:					
		********	. ተለምተለተሰናሪ	ልብ ልብ ብር ስር ስር ተመለመ		^^
	GATCAGCAGA CCACGTATTT					
	TCCAAAGGGA AGAGTGCAGG					
50	TATTTNTTTA TTGGCTGTTA					
	TATTTAGGCA ACTGATGGTC	CITITOCATI	IAUUALIIIN	ariarialiy	CULTATACCT	<b>240</b>

	CATGATATAA GGAATGGGCT AAATAAATGC TTTTAAATAC		CCGTCTTTTG	GAAGGAGGTT	GACATATTTT	300 326
5	SEQ ID NO:1555					
	SEQUENCE LENGTH: 387					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
10	CLONE: HUMGS01770					
70	SEQUENCE DESCRIPTION:					
	GATCAAAAAG AACAGAACCC	TCTCCAGCCT	GCTGACCCGA	ACCCAACCAC	ACAATGGTTT	60
	GTCTCAATCT GACCCAGCGG	CTGGACCCTC	CGTAAATTGT	TGACGCTCTT	CCCCCTTCCC	120
	GAGGTCCCGC AGGAGCCTAG	CGCCTGGCTG	TGTGTGCGGC	CGCTCCTCCA	GGCCTGGCCG	180
15	TGCCCGCTCA GGACCTGCTC	CACTGTTTAA	CACTAAACCA	AGGTCATGAG	CATTCGTGCT	240
	AAGATAACAG ACTCCAGCTC	CTGGTCCACC	CGGCATGTCA	GTCAGCACTC	TGGCCTTCAT	300
	CACGAGAGCT CCGCAGCCGT	GGCTAGGATT	CCACTTCCTG	TGTCATGACC	TCAGGAAATA	360
	AACGTCCTTG ACTTTATAAA	AGCCAAA		-		387
20						
	SEQ ID NO:1556					
	SEQUENCE LENGTH: 325					
	SEQUENCE TYPE:nucleic	acid	•			
	TOPOLOGY:linear					
25	CLONE: HUMGS01771					
•	SEQUENCE DESCRIPTION:					
	GATCACAGAT GGATNTTGTT					
	NACATTGTTT GTTTCTTCCA					
30	TACGGTTAAT AACTAAAATT					
	AAGAAAGCAT TGCTGCTACA					
	CCCAGTTGTC AGTCAGAGCC		TTCATTGTTT	AAAATGTCAC	CTGTAAAATG	
	GGCATTATTT ATGTTTTTTT	TTTTN				325
35	SEQ ID NO:1557					
33	SEQUENCE LENGTH: 322					
	SEQUENCE TYPE:nucleic	acid ·				
	TOPOLOGY: linear	4014				
	CLONE: HUMGS01772					
40	SEQUENCE DESCRIPTION:					
	GATCTGTAAT TCATAGTCAC	ATCAAGGTCA	TCAAGACCAG	GAAAAACAAG	AAAGACATAC	60
	TCAATCCTGA TTCAAGTATG					
	TTGACGATAA TGTTTATGGN					
45	TTGAAATACA ACACTATACA					
	GGGGTATTGG GAGTNCTTTT					
	GCATCTACAA CTTCTATAAT					322
	SEQ ID NO:1558					
50	SEQUENCE LENGTH: 319					

	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
5	CLONE: HUMGS01773					
3	SEQUENCE DESCRIPTION:					
	GATCTTTCTT TAATAGTGAA	CCCCTGGGCC	ACTGAAGAGT	AACATGGCTC	CACTGGACAC	60
	AAAAGAGGGA TGGAATCAAC					
	AACTATTTCA TCTTTGGACT					
10	GAAAATAATG TTACAAAAGC					
	GGTGTTTTAA ANTGANGAAA					
	CAAACAAACA AANCAGAAA					319
						010
15	SEQ ID NO:1559					
75	SEQUENCE LENGTH: 316					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS01774					
20	SEQUENCE DESCRIPTION:					
	GATCTGGCTG CGCTATGACT	CCGGGAGCGN	CACCCACAAC	ATGTACCGGG	AATACCGGGA	60
	CCTGACCACC GCAGCGCTGT					120
	GAGCCCACTC CATTCANATC	TNACAGCAGT	GTTCTTGCAA	TATGAGGAGA	CAGTTACAGC	180
25	CACATTATGG CTCTCATTGA	ACAGTACGCA	GCACCCCTGC	CCCCAGCCGT	NTTTTTGGGG	240
	CTTGCGCGAA AATCTACAAG	CGGGAANGTG	ACCTNGGATT	CAAGGGCGGG	GAGAGANGCT	300
	TNAATAAATA ATCGTN					316
	SEQ ID NO:1560					
30	SEQUENCE LENGTH: 390					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS01775					
35	SEQUENCE DESCRIPTION:					
	GATCTAGAGG GTCGGACCCA					
	GATATCAGAT TTGAACTGTT					
	AGCGTCTGCA CAGAGGCTGG					
	AAGGATTTCT TGGAAGCTGT					
40	CCTCGTTACA TGACATACAA					
	ATCCTAACCN TATATAGACT		CAATTCATAA	ACAAATAAAT	GGCTTCAAAA	
	TTGAAAAAA NNNGANNNN	NNNNAGNNNN				390
	SEQ ID NO:1561					
45	SEQUENCE LENGTH: 311					
	SEQUENCE TYPE:nucleic					
	TOPOLOGY: linear	actu				
	CLONE: HUMGS 01776					
50	SEQUENCE DESCRIPTION:					
	GATCTGCTTA GAGTGGATTT	ቸሮ <u>አ</u> ሮፐር ላ ላርም	<b>ሮሮ</b> ቸፒልፎፒልልር	ፐርርልጥተተዋርባ	CCAAAAAACC	60
	ATTURDIOUR UTTORIORITY	LOUGITURANT	DUNIDALIO	UUULIIINUUL	UUMAMAAAUU.	nu

5	ACCTGGGCTT CTGGTTCTTT TTTGCAAAGG AGAGGCACTC TACTCAGATG TTGGTCATTG AATGAGTGTC ACTTCCCTCT TCACTTCGAA A	AAATTTGAAA ACCACTCTGT	GGTTATTTTA GCATATATTT	ATGTGATAAT CTGCAGAGCT	TTGGAAGACT CTGTGAAGGC	180 240
10	SEQ ID NO:1562 SEQUENCE LENGTH:310 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01777	acid				
15	SEQUENCE DESCRIPTION: GATCTTCTA CAACATTTAT GTTTTATAG CTCCATCTCT TTTGTNATTT CATAAACCAA GTATAGAAAA ANTGGATTTN ATNGTATTGT TTAATTNGTC TATCTCCAAA	CCTGCTTCTT TTAATACACA GGATGCCTCT	TAACTTGATA GATAAAATGA CATATGTAAT	ATGCATACTT CTGTATATCA TAGTTCTATT	GATTTTCCTA AACCATGTTT AAACATATTA	120 180 240
25	SEQ ID NO:1563 SEQUENCE LENGTH:307 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01778	acid		·		
30	SEQUENCE DESCRIPTION: GATCGAAAAA AAAATCCAGA ATAACAATCA ACCAACAATG AAATGACGAG CCCTCGCCTC TCTGCACAAA CTAGATTCTG	GAAACCCATT TTTCTTCTGA	GAAGAGTTGC AGAGTACTCT	AAAATGTCCA ATAAATCTAG	AAGGGTGACC TGGAAACATT	120 180
<b>35</b> .	TTTGTCTACA TTTTTNGGGC GTCTAAA					
40	SEQ ID NO:1564 SEQUENCE LENGTH:305 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01779	acid				
45	SEQUENCE DESCRIPTION: GATCCTGTGG TTGGCCACTG CCCCTCCCAG GGACCGACCC CTGCACTTGC TGAGGTTCCC NACTGAGGGT ACTGGCCTAG GGGAAAANAG CTCTCAATTT	CTGGCCCAAG CATCATGGGC CCATGTGGAA	CTCCCCTTGC AAGGAAGGGA TTCCCTACNC	TGGCGGGCGC ATTCCCACAG TGACTCCTTC	TGCGTGGGCC CCCTCCAGTG CCCAAACCCA	120 180 240
50	CNAAA					305

	SEQ ID NO:1565 SEQUENCE LENGTH:304 SEQUENCE TYPE:nucleic	: acid				
5	TOPOLOGY:linear CLONE:HUMGSO1780 SEQUENCE DESCRIPTION:					
	GATCACAGCT AGAGAATTGA					
	TGGGATTAAA CACTTCCTAC					
10	GACTAGTTTT ATTTTTGTGC					
	TTGACACCAT TTGCTTCAGG					
	TCCGTTTTTT CACAAGACTT GAAA	TTAATAAAA	GAAATTGTAG	AAATAAACAC	ATTAAAATTT	300 304
15	CPA ID NO.1566					
	SEQ ID NO:1566 SEQUENCE LENGTH:304					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	uciu				
20	CLONE: HUMGS01781					
	SEQUENCE DESCRIPTION:					
	GATCTGCTTT CTCGTAATTA	TAGATTGGTT	TGCATTTTCT	AGAAATTTTT	AAATAAATGG	60
	AAACATATAG TGAGTACTCT	TCTTGGGGTG	GAAGGAAGTG	TGTGTGGCTT	TTTTCACTCA	120
25	AGCATAATTA ATTTGATACT					
	ATTGCAGAGT AGTAGTTANN					
	TGGNCAATTG GGGTATTTCC	AGTTTTAGCT	ATTACAAATA	AACCTGCTGT	GACATCATGN	
	CAAA					304
30	SEQ ID NO:1567					
	SEQUENCE LENGTH: 304					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
35	CLONE: HUMGS01782					
	SEQUENCE DESCRIPTION:					
	GATCTGCTAT AGCTGTCCAT					
	ACGATTCCTC TACAAGAGGC					
40	AAATGCACAG GCGTGCATGG					
	GCAGTCTGAA AAGGGAAGAA ATTGTNGTAT TATTAGATTA					
	CAAA	CIGATITICC	TITICIUMA	AIAOAIIIUN	RITITIATICA	304
	SEQ ID NO:1568					
45	SEQUENCE LENGTH: 304					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUNGS01783					
50	SEQUENCE DESCRIPTION:					

	GATCTGCTGT TGCTGAGAGT NTGAGCGTGG ACTTGATGCA GTNATGACAA ATCATTGCTT 60
	AGAATTAATG TTTTCAAATG TGCAACTCTA GTTTTTAAAA CAAAATTTGG TTCTTTACAT 120
5	TCATTATTTC GTTTTTGTTT CCCTTTAGTA TTTAATGGTC TTTGGAGAAA AAATAATAAA 180
Ū	ACAGAGTGTT ATATATATAT TTTTTGGTGC AAGATAAGAT
	TCTGTAGCAT AAAAGGTTAA ACTATTTTAA GGACANANTA AAAATAGGAG TGTATTTAAA 300
	CAAA 304
10	CEO ID NO. 1500
70	SEQ ID NO:1569
	SEQUENCE LENGTH:303 SEQUENCE TYPE:nucleic acid
	TOPOLOGY: linear
	CLONE: HUMGS01784
15	SEQUENCE DESCRIPTION:
	CARCOLOGO A MOLOGARIA CAROCORRA CAROCARIA CAROCARIA
	TCCTTCTGCT GGATACAGGC ACCAAGAGGC GGGGGTGGAG CAGGGAGCTG CGCCTTCCTG 120
	GGGTGCCNGG TGGTGTGTAG AGAAAAGCTG CTTGTTTACT CCTTAAGTCA ATGTATTGGT 180
20	GACTGTTGAT TTGTTGAACA ATTCAGGAAT CAAGGGCTGT GGAGAAACTC CCTCATGTTG 240
	TTGGCAACAG GTGAATGAAC CTAGAGCGGT GACATGAAAA TAAAGCTCAC TGTTACTCGC 300
	AAA 303
	ORO AD NO ASSO
25	SEQ ID NO:1570
	SEQUENCE LENGTH:302 SEQUENCE TYPE:nucleic acid
	TOPOLOGY: linear
	CLONE: HUMGS01785
30	SEQUENCE DESCRIPTION:
00	CARGOGGGA GAAGGAGAAAAAAAAAAAAAAAAAAAAAAAA
	CACCTGCCCT GCCTGCATCC GGAGAATTGC CTCTACCTGG ACCTTTTGTC TCACACAGCA 120
	GTACCCTGAC CTGCTGTGCA CCTTACATTC CTAGAGAGCA GAAATAAAAA GCATGACTAT 180
	TTCCACCATC AAATGCTGTA GAATGCTTGG CACTCCCTAA CCAAATGCTG TCTCCATAAT 240
35	GCCACTGGTG TTAAGATATA TTTTGAGTGG ATGGAGGAGA AATAAACTTA TTCCTCCTTA 300
	AA 302
	CDO ID NO 1571
40	SEQ ID NO:1571 SEQUENCE LENGTH:307
40	SEQUENCE TYPE: nucleic acid
	TOPOLOGY: linear
	CLONE: HUNGS01786
	SEQUENCE DESCRIPTION:
45	GATCCATTTT GCTTACACTG TTGCATCACA AGGGACTCAC CCAGGGACCA TGACCTGCTG 60
	GTGTGTGTGT ATATTTACAA AAACAAAACA AACAAACCAC CCATTGGGAT ATAAGGTAGC 120
	AATCACAAAC TAAAGACTGC GGCTTGTTGA GGTGCAATAC CCTGACTCCC AAAGTTAGTT 180
	ACAGTGGGTT TTATTGTTTT TGTGACTGAA GGATTTATTC AGACTGCTGT ACTCTTCATT 240
50	TGATGTAACA AAATGCTATT AATCTAAATA TTTGTAAATA AAGTACCTGT ATCTAGATTA 300
	AATTAAA 307

	SEQ ID NO:1572					
	SEQUENCE LENGTH: 301					
	SEQUENCE TYPE:nucleic	acid				
5	TOPOLOGY: linear					
	CLONE: HUMGS01787					
	SEQUENCE DESCRIPTION:					
	GATCCATTAC CTAGGGTAAA	ATTCTCCTGA	ATGTCAAACA	AAGAGATAAA	ሮፒአሮአዊተዋዋር	co
	GTTTTGGGAA GTCCCCTGTA					60
10	TTAATACGTA TTTTTGTTAA					
	TGAGAGGTTC TGAATTCCAA					
	AAGCAACTTA CAAAATTTAC					
	A	AAUAIGIAII	CANTANAGUA	GIIIAGCIII	GGIAIAICAA	
15	A					301
15	SEQ ID NO:1573					
	SEQUENCE LENGTH: 303					
	SEQUENCE TYPE:nucleic	aaid				
	TOPOLOGY: linear	aciu				
20	CLONE: HUMGS01788					
	SEQUENCE DESCRIPTION:					
	GATCCTCAGT GTGCTCACGG	<u>ርርር ጥርር ጥር</u> ጥ	CCCCACCNAT	CCCTLCTLCC	TCCCCCTCCC	
	CTGGACCTCA TCGGCGCTCA					60
25						
25	CCCCGACAGC ATGGGGGGCC					
	AGCTGCAGCC TTTNCAGCCC					
	GTCTNGCCCC AGATGGNAAT	NAGIIIIIIA	ATTICATION	AAGGATTTTG	AANTTCCTTG	
	AAA					303
30	SEQ ID NO:1574					
	SEQUENCE LENGTH: 297					
	SEQUENCE TYPE:nucleic					
	TOPOLOGY: linear	acıq				
05	CLONE: HUMGS01789					
35						
	SEQUENCE DESCRIPTION:	00 L0000000	00000000000000000000000000000000000000	######################################	TOO BOOK ON A	
	GATCTGTGTT CGAATCCTCC					60
	GCACAATGTT TTGGTGCTTT					
40	AGATGCCAAG ACCAGGGGCT					
	CGTTATTTTT ATTTTTNACT					
	AGAAAAATCA ATGAAATTGT	TTACTACTGT	TITAAAATAA	AACCGTAAAC	TCTGAAA	297
	SEO ID NO. 1575			•		
45	SEQ ID NO: 1575					
45	SEQUENCE LENGTH: 299					
	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE: HUMGS01790					
	SEQUENCE DESCRIPTION.					

5	GATCAGGCCG TTNCTGAGCT ATAGCCCGAA AACAGCCCAT GCTGTCCAGA ACAGCCCTAA GATGACGTCT ACAAGGAAAA TGCCTCATAT GCCCCAAATG	GCTGGATGCC GGNTTGCCAC CCTTGTGGAT	GCTACTGGCA CGGGACAAGA GGCTTCTAGG	AGTTTGTNTG GGACCCAGAT GAACAGNGCT	GGGCTCCCTC TGTTTACAGT GGATTCCTTG	180 240
10	SEQ ID NO:1576 SEQUENCE LENGTH:300 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01791	acid				
15	SEQUENCE DESCRIPTION: GATCCAAGAT AAAGAAGGCA GCTGGAAGAT GGCCGCACTC GGTCCTGCGC CTGAGGNGGT GATGGCATTA CTCTGCACTA CAGTAATAGC TNGAACCTGT	TTTCTGACTA GGCTGTTAAT TAGCCATTTG	CAACATCCAG TCTNCAGTCA NCCCAACTTA	AAAGAGTCGA TGGCATTCGC AGTTTAGAAA	CCCTGCACCT AGTGCCCAGT TTACAGGTTT	180 240
20	SEQ ID NO:1577 SEQUENCE LENGTH:295 SEQUENCE TYPE:nucleic	acid	•			
25	TOPOLOGY:linear CLONE:HUMGSO1792 SEQUENCE DESCRIPTION: GATCTGGCTT CTTTCCCAAG	GNGGGGGTGG	GGTGTNCCTN	GCGTCCCTGT	CCTTGANGGA	60
30	CCTCCTTCCC CCAGCCTCAT CAACACCAGG GAGAGGCGGA GCCTTTTGCT ACAATTTGTA TTTAAAAAAA GGAAAACTGC	TGCAGAGCCC ACTTATTTNC	CACCGGTGGG TAAAGTCTAT	AAAGTTGCCT TTTGTAACAA	GTGGAAGGGA TTTATTTAAG	180
35	SEQ ID NO:1578 SEQUENCE LENGTH:297 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
40	CLONE:HUMGS01793 SEQUENCE DESCRIPTION: GATCTAAAGT TCTGGCTGTC TGATGTGCCT TTCCTTGCCT					
45	CTAATTCAGT CATTTTTTA ATTTATTCCA CTACTGTAGC CATAACCTCA ATGNCTNNTT	AATTGACAGA	TAAAAAAAT	GTAACTTCAT	AATTTCTTAC	
50	SEQ ID NO:1579 SEQUENCE LENGTH:289 SEQUENCE TYPE:nucleic	acid				

	TOPOLOGY:linear					
	CLONE: HUMGS01794					
5	SEQUENCE DESCRIPTION:					
·	GATETETETT GTECNETNET					
	TAATAGAACA GCCGTGGGCT	TTTGGGGAC	TTTAACTTT1	TTTNCTCTCT	TTTGTTTATA	120
	AAAAACACTA AACATTCAAT	TCCAGAGAA	CAAAAATCCC	ACCTTCCCAC	CGAACACTAC	180
	TAAGGGGCTT GTGTTCTGCN	CCATACCTT	CONCTETTINCT	TTCTGTCTTG	TTAATGCTTT	240
10	TAAAAACAAA TGAGTTTTTT					289
	SEQ ID NO:1580					
	SEQUENCE LENGTH: 287					
	SEQUENCE TYPE:nucleic	acid				
15	TOPOLOGY: linear					
	CLONE: HUMGS01795					
	SEQUENCE DESCRIPTION:					
	GATCCCATCC GCATGGAGTT	TGAAAATAAG	GAAGACTTGT	CGGGAACACA	GGCAGGGCTC	60
20	AACGTCATTA AAGAGGCAGA					
	AAGAAGCTTT CAGACTACGT					
	CAAAGGGGAC AGGGAGCTCC					
	CTGATGCTGT ACTATCACAG				dendandend	287
25						
20	SEQ ID NO:1581					
	SEQUENCE LENGTH: 285					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
30	CLONE: HUMGS01796					
	SEQUENCE DESCRIPTION:					
	GATCTATTGG CATATTCGGG	AGCTTCTTAG	AGGGATGAGG	TTCTTTGAAC	ACAGTGAAAA	60
	TTTAAATTAG TAACTTTTTT					
35	AAAGAAAAAG CCTGTTGGCA	ATCTTGGTTA	TTTCTTTAAG	ATTTCTGGCA	GTGTGGGATG	180
33	GATGAATGAA GTGGAATGTG	AACTTTGGGC	AAGTTAAATG	GGACAGCCTT	CCATGTTCAT	240
	TTGTCTACCT CTTAACTGAA	TAAAAAAGCC	TACAGTTTTT	AGAAA		285
	SEQ ID NO:1582					
40	SEQUENCE LENGTH: 280					
	SEQUENCE TYPE:nucleic	acid		•		
	TOPOLOGY: linear					
	CLONE: HUMGS01797		•			
	SEQUENCE DESCRIPTION:					
45	GATCCTCCCC TTTTGAAATG	GCCCTGCTGT	GTCAGTTTCC	CTGTGGCCTT	TTGAACTGTA	60
	CATCTCACAT GTTGGGAAAC					
	ATTTGCCGAG CCTCTACTGT					
	GCCCTGCTCA TGAGGAGCCT					
50	TTAGAACTGA AAATGGAAAT			· <b></b>		280

5	SEQ ID NO:1583 SEQUENCE LENGTH:273 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO1798 SEQUENCE DESCRIPTION: GATCAGAATG GACTTCTNCC	ACTGAGCATG				
10	AACATCGAAA CAAAAGCTCA GTTCCTGGCT CCTTGTTCAG TTATTCAAAC TTGGCTGGCT CTAAATAANT ACTACCACAT	ACAGCTTGTC CTCTAGTATG	AGTNAAGAAG ACTACGNACA	ACANCACGTC	TGCACCTNCA	180
15	SEQ ID NO:1584 SEQUENCE LENGTH:270 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
20	CLONE:HUMGS01799 SEQUENCE DESCRIPTION: GATCCATATT TGTTTTGTGT AATTGGAAGT ATCAAGGGCT TTATTGTGAC CCTTTTTCAC	TTCTTTGGTG	ATTGAGGGAA	ATAATGTCTC	TACTTGTAAT	120
25	TTCAATTNNC CCTTCATCTG TGTGGAATAA AAATCTCTCT	TATTGTTATA	TCTAAGATTT			
30	SEQ ID NO:1585 SEQUENCE LENGTH:270 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01800	acid				
35	SEQUENCE DESCRIPTION: GATCTGCTTG ACAGTGATTA AGGCCCAAGG ATGGCATGTG CATTGATAAC CAAGTAGCCA ATGATTATCC TCAGGGACAG GGTAATAAAA TAAATGCTTG	ACTGGTCCCT TTTTCCTCTT GATTGGAGGC	GCAAGGTCCT AAGGTTTCCT	TTCTTTGTCA CTACAACCCC	CCAGCCAAGG AAGGACTTTC	180 240
40	UUIAAIAAA IAAAIUCIIU	GACICITAAA				270
45	SEQ ID NO:1586 SEQUENCE LENGTH:269 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO1801 SEQUENCE DESCRIPTION:					
50	GATCTNGTAA ACTCTCTGTA GTCTGGAATA TAATTGCTGA CAACCTAAAG AGAACCATCT	CTATAAAGTT	AGCAATTATG	CTTTTAAGGT	GTTGTCACAT	120

	GGGATTTCAC TGAGTTTACC ANNTCAACTG TGTGAACTGT TTCTGCACTG CTTGCTAATG 240 GCTTCATCTA ATAAATGTTT ACTTATAAA 269
5	SEQ ID NO:1587 SEQUENCE LENGTH:267
	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01802
10	SEQUENCE DESCRIPTION:
	GATCTAGGGA AGTCAACACA TAGTGTAAAA TAATTACATG CCTAATGAAA AGAAGATGTC 60 ATTTCCTAAT TTTNATATCT CATTTTCGGC ATTTTTTAAA ATGTAAAAGG AAAACCTCTT 120
	GTGTTCACAC AGATTGCTGA ATTGATTTCT CCATATTTGT TAATAATTTA CTATTATTTA 180
15	CAAAGATTCA AATGCTTTTA TGACTAATGT AAAATGAAAA GAGGCTTACA TTTTAAATGT 240
	TATTAAAATT ATGTACTTAA ATCTAAA 267
	SEQ ID NO:1588
20	SEQUENCE LENGTH: 288
	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
	CLONE: HUMGS01803
	SEQUENCE DESCRIPTION:
25	GATCGCTTTG AGGTCAATAT TAGTGAGCTG CCTGATGAGA TAGACATCTC CTCCTACATT 60
	GAACAGACAC GGTAGAAGAC TCGCCCATTT TGGAATGTGA CCGTCTNTCC TTCAGGNGAG 120
	GACACCAGGN TGGGGGTGAA GGAGACACTA CTGCCCCCAC CCCTGACAGC CCCCACCCCA
	TGGCTTNCAT CTTTTGCATN ACCANCACTC CTGAACCCCN ATTTCTNATT TGTCAGAATT 240
30	TTTTTNNTTA ACAAAACTAG AAATGNANCA CATGGGGTCT GTGGTAAA 288
	SEQ ID NO:1589
	SEQUENCE LENGTH: 266
	SEQUENCE TYPE:nucleic acid
35	TOPOLOGY: linear
	CLONE:HUMGS01804 SEQUENCE DESCRIPTION:
	GATCTTGCCT GTTTCACAAT GTAACAAGAC TCTACCTGGG TCCCCTGGTG ATGAGTTTCA 60
	GCATAGAATA ATGTTCAAGG AAAAGAAAAC GAAAACAGTT TAAATCTCTA CCACAGCCTC 120
40	ACAAGCAAAT GCTAAGGGGA ACATACATGT AAAANGCCAG CAAACTATCT TCAAACTCTT 180
	CCGTCCTTAA TGTCTTCCAT GGCTATTGCC CCCACAATGG TCTCTTTNNT CCCTGCTCCC 240
	TTATTAANGA ACTCTTTCTG AAGAAA 266
45	SEQ ID NO:1590
	SEQUENCE LENGTH: 266
	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
	CLONE: HUMGS01805
50	SEQUENCE DESCRIPTION:

	GATCTATGAC TCCAACCGTA TGATTTTNTT GCCTCCCCAG TTTTCATCCC AGTGGTAACG 6
	CCTGATTTTT GGTAGCTATG CCATCTTCTG CTGAGGATTA CCATTACTGG GTGTATCACC 120
	CCAGTACTTC CAAATNCCTC TCCTCTATTG ATTCAGTTGT TATTGCAGTG TCTGCTTCAT 180
5	CCGTGGAACT TGAGGCTCAG ATGCCCCCTG CTCTGTAACC CTGGGGAATG TCAGAGGCAG 240
	GTAATAAAGG TTGTTTAAAC AATAAA 266
	SEQ ID NO:1591
10	SEQUENCE LENGTH: 265
	SEQUENCE TYPE:nucleic acid
	TOPOLOGY: linear
	CLONE: HUMGS01806
	SEQUENCE DESCRIPTION:
15	GATCAGGAGA CTTTGAATTN ATATATTTTA ATCCTNATTA AGCTTAAATA GGAAAGTTTC 60
	TTCAACAGGA TTACAGTGTA GCTACCTACA TGCTGAAAAA TATAGCCTTT AAATCATTTT 120
	NATATTATAA CTCTGTATAA TAGAGATAAG TCCATTTTTT AAAAATGTTT TCCCCAAACC 180
	ATAAAACCCT ATACAAGTTG TTCTAGTAAC AATACATGAG ANAGATGTCT ATGTAGCTGA 240
20	AAATAAAATG ACGTCACAGG GCAAA 265
	SEQ ID NO:1592
	SEQUENCE LENGTH: 254
	SEQUENCE TYPE: nucleic acid
25	TOPOLOGY: linear
	CLONE: HUMGS01807
	SEQUENCE DESCRIPTION:
	GATCTGAGAG AAGCCCTGTC CTCCACTCAC CTCACCCGCC GCTGCCACCA TCTCCTCTGT 60
	GCCAACTCCT TGTGGACCGC AAGAAAGCAT GACTTTGAAA AAGGGAAGCC ATTCCGAGAT 120
30	TTTAAAATGT TCATGGACTA TTCCATATTA AAAGCTGTTT TTGTTGTACA AAATTCACTG 180
	ATGTTCAGTT CTATTTTATT TTGCCTTCAG AAAAGAAGAA AGTCAAAAAT AAAACTTTTG 240
	TGTATTACAG CAAA 254
35	SEQ ID NO:1593
	SEQUENCE LENGTH: 255
	SEQUENCE TYPE: nucleic acid
	TOPOLOGY: linear
40	CLONE: HUNGS01808
40	SEQUENCE DESCRIPTION:
	GATCCTGGAG GATTTCCTAC CCCCGTCCTC TTCGAGNCCC CAGTCGTGAT GTGGAGGAAG 60
	AGCCACCTGC AAGATGGACA CGAGCCACAA GCTGCACTGT GAACCTGGGC ACTCCGCGCC 120
	GATGCCACCG GCCTGTGGGT CTCTGAAGGG ACCCCCCCC AATCGGACTG CCAAATTCTC 180
45	CGGTTTGCCC CGGGATATAA TAGAAAATTA TTTNTATGAA TAATGNAAAT AAAACACACC 240
	TNGTGGCATG GCAAA 255
	SEQ ID NO:1594
50	SEQUENCE LENGTH: 282
50	SEQUENCE TYPE:nucleic acid

	TOPOLOGY:linear CLONE:HUMGS01809 SEQUENCE DESCRIPTION					
5	GATCCATGAA GGAGGGC1					
	TGGTAGCTGC AGCAGCCC					
	TGCTGCCTCG TGAAGAG1					
	AGCCTNCTCA TCTGGGGC				AACGGATTAT	
10	TTTTTCAGNC CGAAAAGN	GA TGGTCTGAGT	TTNTCTTAGA	AA		282
	SEQ ID NO:1595					
	SEQUENCE LENGTH: 256					
	SEQUENCE TYPE: nucle					
	TOPOLOGY: linear	ic aciu				
15	CLONE: HUMGS01810			•		
	SEQUENCE DESCRIPTION	N				
	GATCAAATAA ACCAGTGT	- · -	CTATCAATTG	GTGGGATTAG	CCTTCACATT	60
	TTATTTTTAT AAATATAT		•			
20	AATTINCTAC TITGGACT					
	AATTCATGAT ATTCTGCC					
	ATTGAAAACC TGNAAA	in iddenombii	14170011	101111110111	AUUTT DINGTA	256
25	SEQ ID NO:1596					
	SEQUENCE LENGTH: 204	,				
	SEQUENCE TYPE: nucle	ic acid				
	TOPOLOGY: linear					
	CLONE: HUMGS01811					
30	SEQUENCE DESCRIPTION					
	GATCTGCGCT TCCAGAGC	GC ACTAATNCGG	TGCTTTGCAG	GAGGCAAGTG	AGGCCTATCT	60
	GGTTGGCCTT TTTGAAGA					
	GCCAAAAGAC ATCCAGCT	AG CACGCCGCAT	ACGTGGAGAA	CGTGCTTAAG	AATCCACTAT	
35	GATGGGAAAC ATTTCATT	CT CAAA .				204
	SEQ ID NO:1597					
	SEQUENCE LENGTH: 246					
	SEQUENCE TYPE: nucle	ic acid				
40	TOPOLOGY:linear					
	CLONE: HUMGS01812					
	SEQUENCE DESCRIPTION	N:				
	GATCATTATT ATATATA	GT ATTGATTGCT	ACCCTGACCA	CAGTGCTTTG	GACTATGAGA	60
45	AACTTCTTAG ATTTTNAT	AT GTAAATNCTG	TGGACCACTG	GGAGCACAAT	GCCCACATCA	120
	TCTTAAGNNG AGTTTATO	TG CAGCATTTAA	ATCACTGTGT	TTTCCTTGTT	AACTAAAACA	180
	GACATGGGCT TTGATTTT	TT TCATACTATI	AGACCATATC	TCATAAAACC	TTTTGAATTA	240
	ATGAAA					246

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50

SEQ ID NO:1598

5	SEQUENCE LENGTH: 285  SEQUENCE TYPE: nucleic acid  TOPOLOGY: linear  CLONE: HUMGS01813  SEQUENCE DESCRIPTION:
	GATCACGCAC ACACAATAAG TCTTTCTCTC CGAAACCGGA AGTAAATCTA TATCTGTTAG 60
	AAATAATGTA GCCAAAAGAA TGTAAATTTG AGGATTTTTT TGCCAATAGT TTATAGAAAA 120
10	TATATGANCC AAAGTGATTT GAGTTTGTAA AAATGTAAAA TAGTATGANC AAAATTTGCA 180
	CTCTACCAGA TTTGAACATC TAGTGAGGTT CACATTCATA CTAAGTTTTC AACATTGTGT 240 TCTTTTTGCA TTCATTTTTT ACTTTTATTA ANGGNTCAAA CCCGN 288
	<del></del>
15	SEQ ID NO:1599 SEQUENCE LENGTH:241
15	SEQUENCE TYPE:nucleic acid
	TOPOLOGY: linear
	CLONE: HUMGS01814
	SEQUENCE DESCRIPTION
20	CATCTAACTA TOTTTGGGGG GTTTGAAGA TAGAAGTA
	GGGAGAAAAA ATCACTGTTT GTTTTTAAAA AGCAAATCTT TCTGTAAACA GAATAAAAGT 120
	NCCTCTCCCT TCCCTTCCCT CACCCCTGAC ATGTACCCCC TTTNCCCTTC TGGCTGTTCC 180
	CCTGCTCTGT TGCCTCTCTA AGGTAACATT TATAGAAGAN NTGGAATGAA TCTCCANGAA 240
25	A 241
	SEQ ID NO:1600
	SEQUENCE LENGTH: 239
30	SEQUENCE TYPE:nucleic acid
	TOPOLOGY: linear
	CLONE: HUMGS01815
	SEQUENCE DESCRIPTION:
00	GATCCAGAACA ACCCTGACCT CGCCCCAGTT CCAGCAGATG TGGAAGCGTT TGCCAAAGCC 60
35	ATGCAGACA ACGCCAAGCC CGAGCAGAAA GAGGGCGACA CGAAGGACAA GAAGGACGAA 120
	GAGGAGGACA TGAGCCTGGA CTGAGCCACG CGCCGTCCTC CGAGGAACTG GGCGCTTGCA 180
	GTGCGTTGCA CACCCTCACC TCCCACCCAC TGATTATTAA TAAAGTCTTT TCTTTTAAA 239
	SEQ ID NO:1601
40	SEQUENCE LENGTH: 236
	SEQUENCE TYPE: nucleic acid
	TOPOLOGY: linear
	CLONE: HUMGS01816
45	SEQUENCE DESCRIPTION:
	GATCCAAAGT AATATGTAGG TTCAATATTT TGTAGGTTTT ATAATCAAAT GTCTCCCTAA 60
	AGAGATGACA TAGGGAAGAA AAGCCTAATG TATCATCTTA ATGGATTCAG TTTTTATTAT 120
	GCACAAATAA CTGGGCTTGT AACCTAGGAA TATGATTAGA GCGTGATGCT GGCTTAAAAA 180
50	ATAGGACTNG TGAATCACAG TTTGTNNNTA ATAAACTACT GGTTGGAAAT ATTAAA 236

	SEQ ID NO:1602
	SEQUENCE LENGTH: 235
5	SEQUENCE TYPE:nucleic acid
	TOPOLOGY:linear
	CLONE: HUMGSD1817
	SEQUENCE DESCRIPTION:
	GATCTCCCCG CCGCAGCCTC CTCAGAAGAC ATCGAGCGGT CCTGAGAGCC TCCTGGGCAC 60
10	GILIGICIGI GTGCTGTAAC CTGAAGTCAA ACCTTAAGAT AATGGATAAT CTTCGGCGAA 120
	ILLATOCAGA GICAGCCATT CCTGTTCTCT TTGCCTTGAT GTTGTTTTT TATCATTTAA 190
	GATTTTTTT TTTTGGNAAT NATTTTGAGT GGCAAANTAA NGATTAGCAN TTAAA 235
	SEQ ID NO:1603
15	SEQUENCE LENGTH: 324
	SEQUENCE TYPE:nucleic acid
	TOPOLOGY: linear
	CLONE: HUMGS01818
20	SEQUENCE DESCRIPTION:
	GATCTGCCCA GGTGCGCCAG ACTTCCTAGC ACACGTGCGC GGGAGCAGCT GCTTTGAGTG 60
	CACACACTAC CAATCGTTCC TGGAATACAG GGAGGTGGTG GACGGCCTGG AGAAGGCCAT 120
	CTACAAGGGC CCAGGCAGCG AAGAGGGCCC TGACTGCCCC CCCCGGCCCC CCTCTCGGGC 180 TCTCTCACCC AGCCTGGTAC TGAAGGTGCC AGACGTGNTC CTGCTGACCT TCTGCGGCTC 240
25	CGGGCTGTT CCTAAATGCA AAGCACACCT CGGCCGAGGN CTGCGNCCTG ACANGGNNAC 300
	CTCTCTGAAC TGCAACACTT CCAN
	324
	SEQ ID NO:1604
30	SEQUENCE LENGTH: 235
	SEQUENCE TYPE: nucleic acid
	TOPOLOGY:linear
	CLONE: HUMGS01819
35	SEQUENCE DESCRIPTION:
	GATCAAAAAG CAAGCAGAAA TGAATCCACA TTCTAGTCCT TTATGCAGTA TACAAGGAGA 60
	ACTGTCCTGT AGGATATTCT CTTCCTGATG GTGCAGAACC CAGAATTAGA AGTTTGTGGT 120
	TACAGCATAC TCTGTCCTTC AGAAAGGCGT GATTCTAGCT GTTGACCCCT TGCAGCTGTT 180
	GGAATCTCTG CAAGAACCTC TGTATTCTTC TAATAAATTC CCTCTTTTAT TTAAA 235
40	
	SEQ ID NO:1605
	SEQUENCE LENGTH: 235
	SEQUENCE TYPE:nucleic acid
45	TOPOLOGY: linear
	CLONE: HUNGS01820
	SEQUENCE DESCRIPTION:
	GATCCCAACA ATGAAGCCAT TCGAAATGCT ATGGGCTCCC TGGCCTCCNA GGCCACCAAG 60
	GACGGCAAGA AGGACAAGAA GGAGGAAGAC AAGAAGTGAG ACTGGAGGGA AAGGGTAGCT 120
50	GAGTCTGCTT AGGGGACTGC ATGGNAAGCA CGGAATATAG GGTTAGATGT GTGTNATCTG 180
	TAACCATTAC AGCCTAAATA AAGCTTGGCA ACTTTTTTCC CTTTTTTGCT TCAAA 235

5	SEQ ID NO:1606 SEQUENCE LENGTH:234 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO1821 SEQUENCE DESCRIPTION					
	GATCAAAAAG AGAGTGGTTO CAGAAAGTTT TTAGCTCTAT TGAAACCCCT CTTGCCTCTC CCGTTTGGCC TGCTGCTCTC	TGGAACCTGT ATTTGCATGG TTCCACGGAA	TGCTGCGTGA GAGGGCCTGG	NGGAGGACCC GCCCGTGGA	CTCTGAATCC GCCTCAGTGC	120
15	SEQ ID NO:1607 SEQUENCE LENGTH:234 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
20	CLONE: HUMGS01822 SEQUENCE DESCRIPTION: GATCTGGAAC CTCAGCCTGG CCACTGTCCT GGGCCTGCAG CATCTCTCTG CCCAACCCTT	CCAGACACAG AATTTGGGTT	CTGCCTGCCA	GCTGCACTGA	TGCTGCCCCT	
25	CTGTTGCAAG TGCAATAAAT					234
20	SEQ ID NO:1608					
	SEQUENCE LENGTH: 356 SEQUENCE TYPE: nucleic TOPOLOGY: linear	acid				
30	CLONE: HUNGS01823 SEQUENCE DESCRIPTION:					
	GATCACATAA AACAGATTTG GTATTTTTGT ACAAACAAGA					60 120
35	TTTCCAACTT TTCATGATTT	TNATGAGCAC	AGACTTTCAA	GAAAATACTT	GAAAATAAAT	180
	TACATTGCCT TTTGTCCATT TTATTGTACA ATTTGAAAAT CCCTTGTAGA ATATGTATTA	TATGTCGGGA	CATACCCTAT	AGAATTACTA	ACCTTACTGC	
40	SEQ ID NO:1609					
	SEQUENCE LENGTH: 230		•			
	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
45	CLONE: HUMGS01824					
	SEQUENCE DESCRIPTION:	1101mmm000	1 T 1 C T C C T C T	<b>T</b> T. 1 1 1 0 1 0 T	######################################	
	GATCACCTAT GCCAAGAAAT TACAGTGTTT GTTTTGATAA					60 120
	CTAAAACTCA AATTTTTCTC				COMPOSITION	100

	CTATGAAATA CGAAGNCCTT AATTTI	GTAC AATAAACTTT TATTTGTAAA	230
5	SEQ ID NO:1610		
	SEQUENCE LENGTH: 227		
	SEQUENCE TYPE: nucleic acid		
	TOPOLOGY: linear		
	CLONE: HUMGS01825		
10	SEQUENCE DESCRIPTION:		
	ATCCCACTAC CTCATTCTTT ACTIVE	AGTT CTTTAAGCTA AGACATGTAA AAAATCCCA	A 60
		CTTT TGTACTTATA TTTTTCAGAG GAAAAAACA	
	CAGTGTCATC TCTGAGAAAC AGATAA	ATAA CTGTATTGTA TGCAAATCTG TGATTGTTG	-
15	ONDIGIONIC ICIDADANAC ADAINA	AIAA AGIITATITA CIATAAA	227
	SEQ ID NO:1611		
	SEQUENCE LENGTH: 234		
	SEQUENCE TYPE: nucleic acid	• •	•
20	TOPOLOGY: linear		
	CLONE: HUMGS01826		
	SEQUENCE DESCRIPTION:	On a spanner of the state of th	
		CAG ATGTCCAAAC TCATCTACTA TTAGCCATA CAA AAATGCCTTT GCCATGATTT TGTTGCTATC	
25		GAT GTGCATTGAA GTAGGAAAAT TTTGTTCAGA	
		AAA TGGAAATGTA TTTTAAAGTT TAAA	234
			501
	SEQ ID NO:1612		
30	SEQUENCE LENGTH: 226		
	SEQUENCE TYPE: nucleic acid		
	TOPOLOGY:linear CLONE:HUMGS01827		
	SEQUENCE DESCRIPTION:		
35		TTC ATACATTATA GATTCTGGGT TGATAAATTC	
		GTC TCAAATCTGT TACAATTTAT ATTGGTGGG	
		GAC AGTAATGGCA AAAACTGACA ATTGCTTTTC	
	CACCACCCTA ATAATATTAA NTATAAT		226
40			
	SEQ ID NO:1613		
	SEQUENCE LENGTH: 224		
	SEQUENCE TYPE:nucleic acid		
45	TOPOLOGY: linear		
	CLONE: HUMGS01828		
	SEQUENCE DESCRIPTION:	COM CAMPANAGA AARS	
		GGT CATCTTTGGT CATCAGCCTC CAGCATNTGG	
50		ACA TTTCTTTCTT TCTTTCTTTT TTTTTCCTGG	
	TTATTNGTTT TTTTAAAATG AAAAATA		224
		AINML	444

	SEQ ID NO:1614 SEQUENCE LENGTH:222 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01829 SEQUENCE DESCRIPTION:					
10	GATCAGCAGA TACATGTCAG TTCGAGAGAG GAGGAGGACC ATTGTAAGGG GAAAACAAAAG CTTCTACACG CTTACTCACT	TGCAGAGGTT CAGGGCCAAA TGTTTATTTC	GGAATCCTCA CCCAAAACAA	AACTTCCCTC CCCAGCTTCA	CAAGGGAGAT	120
15	SEQ ID NO:1615 SEQUENCE LENGTH:222 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
20	CLONE: HUMGS01830 SEQUENCE DESCRIPTION: GATCAGAATA TGTATGCAGT TTAAAAAGTA CTTTTAAATA CATAATTNAT TAACTANTGN	TTCTTTGGAA NTTATTGGTA	ACTTAGCTTT AACATTGGCT	TAGTAACTAC TGCCTCCCAT	TTGGTTGTAT	120
05	TATAATTAAA ACTGTGACTA	CTATCTGTCT	CCATTNCATA	AA		222
30	SEQ ID NO:1616 SEQUENCE LENGTH:219 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01831 SEQUENCE DESCRIPTION:	acid				
35	GATCCCNTTC CCACCCTCTC GGTGCTCACA TGCACCTCAC TGAATTGAGT TTGTATTTNT GGTTTGTCAC CNTCGATAAA	TAGGGTTTGT AGAACCCTGG	GACCAGGGTC GTTTTTACAT	TGGATGAGCT	TGAATTTGAA	
<b>40</b>	SEQ ID NO:1617 SEQUENCE LENGTH:220 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO1832					
45	SEQUENCE DESCRIPTION: GATCGCGGCG GANTNGGCCC GACCCCCGCC CCCTGCCCTC GTCTCTAAAG AGTTTATTTT AATCTATTTA AGTAAAAAAA	CCCTCTCTGC AAGACGTGTT	ACCGTACTGT TGTGTTTGTN	GGAAAAGAAA	CACGCACTTA	120
50						

5	SEQ ID NO:1618 SEQUENCE LENGTH:216 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01833 SEQUENCE DESCRIPTION:	acid				
10	GATCANGGCA CTTCAACTCA GNGGGGTGTT GAGCCACCCA TCACCCAGGG CCACAAGGCC AGTGCANTGG GCATAGTAAA	TCANACCETC ATGGTTAATT	TTTAGCTGTG NTTANCGGCA	CAAGATAAAA	GCAGCCTGGG	120
15	SEQ ID NO:1619 SEQUENCE LENGTH:214 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
20	CLONE:HUMGS01834 SEQUENCE DESCRIPTION: GATCATAGAA AATAAATAGA TTTGTTTGCA TTAATTTTT CAGTTTTTAT TGTTTTGTAA	TCATTTGTCA GTAAAATTAC	AAATGCTTCT GTAGCTGATT	TTTGTTGCCA	CAGTAAAGAA	180
25	CCATAATAAA AATTATTGTA	TGTTTACTGT	GAAA			214
30	SEQ ID NO:1620 SEQUENCE LENGTH:214 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01835 SEQUENCE DESCRIPTION: GATCAGAGTG GCCCACAGAC TCCTGGGCTG GACCACTTGA	ATTGCTTTCT TAACTTCCAG	TGTCCTGGCA	GCTTTTGGAA	TNACAGCAGT	
35	GGTATGGGGT TTATNATGCT TACAAACTTG AAATAAACCA			TTGCCTAGAA	TATATTTTGT	180 214
40	SEQ ID NO:1621 SEQUENCE LENGTH:211 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01836					***
45	SEQUENCE DESCRIPTION: GATCTGTGTC ATAAGTGACT GATGGCTGGC TGGTGTTTTT CTGCAGGCCC CATACTGAGC TACACTGAAA ATAAAACCTC	CAGCCTTCCG CTGGACTGAA	GTTTATAGAC AGTATCCACT	TGTATTTATC	TAGTGGATTC	120
50	SEO ID NO-1622					

	SEQUENCE LENGTH: 211	
	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY:linear	
5	CLONE: HUMGS01837	
	SEQUENCE DESCRIPTION:	
	GATCTGAGAT GGAAGAGTTT CATCCCAAAA CCATCTCCCC CTG	ACCCCCA GTCCATGGAA 60
	AAATTGTCTT CCACAAAACC GGTCCCTGGT GCCAAAAAGG TTG	
	ACAAAAGTAA TTGTGGTTTT TGCACNGTTG GAATTTGTCA TNT	
10	TTAAATAAAT GTGGTTATGT TATACATCAA A	211
	SEQ ID NO:1623	
	SEQUENCE LENGTH: 212	
15	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY:linear	
	CLONE: HUMGS01838	
	SEQUENCE DESCRIPTION:	
•	GATCAGCGAG GTTCTCCAGG ACCTTAGGTT TGATGCGGAA TCT	GCCGAGT GATGGCGGCT 60
20	CCCCAGGGAT GCCGCCGAGG GAGATGGGAA ACGGGGCGGA TGG	
	ACTGCCAGCT GGCTGGGGTC GCGCCCCACT GCGCTGCTGA CCT	
	CCTCCCACAA TAAAGAGCTC CTCCTCTGTA AA	212
25	SEQ ID NO:1624	
	SEQUENCE LENGTH: 208	
	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	
30	CLONE: HUMGS01839	
30	SEQUENCE DESCRIPTION:	
	GATCTATGAC AATGTATAGT CAATAAATGA TAGCAATTAT TTT	
	TGTTAGAGAT TCAAGTTAGC ATACAAAATG GAAATACATT GAC	AATCTAA AAACTATACT 120
	AAAACATAAA CTCAAGACTT TATTCCTCTT CCTGTTCTAT CAA	AATTGTG CCAAGTAAAA 180
35	AANTAAAANT TGTTCTTTTT ATTTCAAA	208
	SEQ ID NO:1625	
	SEQUENCE LENGTH: 210	
	SEQUENCE TYPE: nucleic acid	
40	TOPOLOGY:linear	
	CLONE: HUNGSO1840	
	SEQUENCE DESCRIPTION:	
	GATCTAGATG GCAGATAGGA ACTTTNTTGT CACAAAAATA CTG	GAGGAAA ATNTTGTAAA 60
45	AATAGACTTT TGGACACACA GCTGTTGGGG CTGCACTGAG CTG	
· <del>-</del>	TTATAACTTA ATGTTTCTGT TTATAAAATA CTAATGATTT GCA	
	ATTAAAACAG ATGTTTTATT CTTTCTGAAA	210
	SEQ ID NO:1626	
50	STOUTHOR I FUCTH- 200	

5	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01841 SEQUENCE DESCRIPTION:	acid				
	GATCCAGGAT TCTGGGAGGC	TTCAGTTACC	GCTGGCCGAG	CTGAAGAACT	GGGTATGAGG	60
	CTGGGNCGGG GCTGGAGGTG					
	AGAGCTGCAG AGAGCACCTG					
10	TCTTTGTAAT AAATGTTAAA	GCCAGAAA				208
			•			
	SEQ ID NO:1627					
	SEQUENCE LENGTH: 203					
	SEQUENCE TYPE:nucleic	acid				
15	TOPOLOGY: linear					
	CLONE: HUMGS01842					
	SEQUENCE DESCRIPTION:					
	GATCTCACAG CCACGAATTT					
20	TTTATTTTAT TCTATCTTGT					
	AAATACCTTG AAGGAAAGGA		TCTTTGGTGC	CTGGTGTTTA	GTTTTAATAT	
	TTTATTAAAT ACATCCAAGG	AAA				203
	SEQ ID NO:1628					
25	SEQUENCE LENGTH: 203					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear			•		
	CLONE: HUMGS01843					
	SEQUENCE DESCRIPTION:					
30	GATCCACTGT TCAATCTGCA	CAAGATTNGG	GNNCCAGACA	TGGGAGACTT	CAGCTGCCTC	60
	AGAGGACCGT GGACAGGGAA					120
	AATAACCAAG AGTTTTATTT	TTGAATTTGT	AGCTGTCGTT	CACTTTTTAC	CCACCCATTC	180
	AATAAACCTT ACAGAATTGC	AAA				203
35						
	SEQ ID NO:1629					
	SEQUENCE LENGTH: 201					
	SEQUENCE TYPE:nucleic	acid				
40	TOPOLOGY: linear	•				
	CLONE: HUNGS01844					
	SEQUENCE DESCRIPTION:					
	GATCCAAGTA ACAGTGACTG					
	GGCTTTTGTG TGGCTGACGC					
45	TGTGGACTTT TCCCACCAGG		GGACTCAATG	TGCAATATTC	AGTCAACATA	
	AAACTCTTTA AGAACTCCAA	A				201
	SEQ ID NO:1630					
	SEQUENCE LENGTH: 201					
50	SEQUENCE TYPE:nucleic	acid				

5	TOPOLOGY:linear CLONE:HUMGSO1845 SEQUENCE DESCRIPTION: GATCACAGAC CACGAGTGCC TTTCCCCGGAC CTGGACGTTG CCTCCAGAGC AGGCACCANC 6C TCTTTCCCTC TCTAGACAGA AATATTTTTG TAAGGTTCTG GGGCAGGGAG GGAGCATGAA 120 GTACGAGGAA AACTTGAATT CCAGATTTTN AATGCAAAGT ATTTATCATT TCTACCAGAA 180 ATAAACGTTT TAAGTTTTAA A
10	SEQ ID NO:1631 SEQUENCE LENGTH:217 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
15	CLONE: HUMGS01846 SEQUENCE DESCRIPTION: GATCTTGAGG TCACTTCGTT TAGGTCATTN TCTCAACCCA ACCTCCCCAA ACTCTGGTTT 60
	GAGCCAATAT GTGTTCTATT GTTCTCAGAG CACCAGCCGA CTGTACAACA ATTGTTATAA 120
20	AAATGTTTAT TGTTTACCAA AACCAGTGGA CCTCTTATCA AATGCTGCTT GGTAACAAAA 180
20	TCTATCACAG TTTTAATAAA AAGAAAAAAA AAGGAAA 217
25	SEQ ID NO:1632 SEQUENCE LENGTH:200 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01847
	SEQUENCE DESCRIPTION:
	CATCTCTTT NATTAACAC TAACACAAAAA ABBORTON AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
30	GTTAAAGAA TTTACCTCTA ATTTCAGTCT CACTAATGTA AATAGGTAAG CCTTACACTT 60
	ACAATTCAGT CACTAACTGT ACAGTTTTAT GTGGGGAACA ATTCATGCAG GCTACTGGAA 180
	AATTAAATCT TATTACCAAA 200
	200
35	SEQ ID NO:1633
	SEQUENCE LENGTH: 200
	SEQUENCE TYPE: nucleic acid
	TOPOLOGY: linear
40	CLONE: HUMGS01848
40	SEQUENCE DESCRIPTION:
	GATCCNGGGC ATTTNCTCTG GGGAGACAGG CCTGAGGCCA GCTCGGNAGC CAAGCAGATT 60
	CCAAACCACT ACAACCCTTG CCAAACACAG CCCACTCCAT TTNANACCGC CTTCCTGAGG 120
	AGAAAATGCA GACTCAGGGT TCCAGTAACC AGTGATGGAT TCACCCCATC TCCCAAATAA 180
45	TGGTTTACTT GTTTTACAAA 200
	SEQ ID NO:1634 SEQUENCE LENGTH:333
	SEQUENCE TYPE: nucleic acid
50	TOPOLOGY: linear
	ror opport truegi.

	CLONE: HUMGS01849					
	SEQUENCE DESCRIPTION:					
_	GATCTTCTAA GAATTTTGCA					
5	TCTAGAAAAC TTTGATTTTA					
	AGGCAAAAAC ATGTTAACCA					-
	GTTTAGCCTT TTATTAGAAT					
	TATGINCCIT TGCTTATAAC			TTACTTAAGC	AAATATCAAT	
10	NATGTTTTAT TATCTAATAA	AGIGIAAGAI	IUN			333
	SEQ ID NO:1635					
	SEQUENCE LENGTH: 199					
	SEQUENCE TYPE:nucleic	acid				
15	TOPOLOGY: linear	ac. a				
	CLONE: HUMGS01850					
	SEQUENCE DESCRIPTION:					
	GATCGAATGG CTTTTTGCAG	CTAACTACTA	TGTGTAGACA	GGTTTTATAT	TATAAAGTAT	60
	GCATTCTTAT CACCTAGTAT					
20	CATGGTATCT TCACATCTTG					
	CTTTGGCGGT TCTTGCAAA					199
	SEQ ID NO:1636					
25	SEQUENCE LENGTH: 196					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS01851					
30	SEQUENCE DESCRIPTION:					
	GATCTGGATG TTGAAAAGAG					60
	CGTGATATGC TGCCTCCTCC					
	TNAGAAGCAG ATGCTGGCAG	CATGATTCTT	GTACAGTCTG	CAGAACAGTG	AGCCAAATAA	
	ACCTCTTTTC TCTAAA					196
35	SEQ ID NO:1637					
	SEQUENCE LENGTH: 196					
	SEQUENCE TYPE:nucleic	aaid				
	TOPOLOGY: linear	aciu				
40	CLONE: HUMGS01852					
	SEQUENCE DESCRIPTION:					
	GATCCAAGTA TTTCTNCATC	AAGCAGTTTT	TAAAAGGAAA	ACCATAATAA	TCAGTAGGCT	60
	CCATGGAAGC CTTTNCCTTA					
45	TGTCAGAGTG AAATCTCTCA					
45	TCATTTTAAG GTGAAA	IDIONAAAGI	MOTAGIAGI	INVANAUIAN	AIAAAUUAII	196
		-				
	SEQ ID NO:1638					
50	SEQUENCE LENGTH: 195					
	SEQUENCE TYPE: nucleic	acid				

. 5	TOPOLOGY:linear CLONE:HUMGS01853 SEQUENCE DESCRIPTION: GATCCTCCTG CAGGGCTAGG CGGATTGTTC TGGATTTCCT TTTGTTTTTC CTTTTAGTTT 60 TCCATCTTTT CCCTCCCTGG TGCTCATTGG AATCTGAGTA GAGTCTGGGG GAGGGTCCCC 120 ACCTTCCTGT ACCTCCTCCC CACAGCTTGC TTTTGTTGTA CCGTCTTTCA ATAAAAAGAA 180 GCTGTTTGGT CTAAA
10	SEQ ID NO:1639 SEQUENCE LENGTH:194 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
15	CLONE:HUMGS01854 SEQUENCE DESCRIPTION: GATCTTAGCT TTGATAAATG ACTGANGCTG GAGAAGCCGT GGTTGAAGTC AGCCTACACT 60
	ACAGTGCACA GTTGAGGAGC CAGAGACTTC TTAAATCATC CTTAGAACCG TGACCATAGC 120
20	AGTATATATT TCCCTCTTGG AACAAAAAC TATTTTTCCT GTATTTTTAC CATATAAAGT 180
25	ATTTAAAAAA CAAA  SEQ ID NO:1640 SEQUENCE LENGTH:268 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUNGSO1855 SEQUENCE DESCRIPTION:
30	GATCTGAGTA ATTAGCAGGT ATGATGCTGG GACTGGAAAA TAGAAAGTAA TAACTAAAGG 60
	GTTAATGTGC AACGTTATTT TTTGGCCTTG TTCATAATTT TATGTTTTCA GTGGCNTGTG 120
	TACATATAGA ATTGTTAAAG TTGTCATTTC CAATATTTAT ATTAGAAAAA TTATTTAGAT 180
	ACTITATAAT TITAACCGGC ATTITIAATA ATGACACTTG CATTIATTGT ATTGTAATAA 240
	ATTTCACTIT TAACTTTAAA AGTTTAAA 268
35	•
40	SEQ ID NO:1641 SEQUENCE LENGTH:193 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
,u	CLONE: HUMGS01856 SEQUENCE DESCRIPTION: GATCTCTGCT CAGAGAAGTG CAGGGGGAGC CTTCCAGCTC ACTCTCCCTG AGGACTGGCT 60
	TGACAGGGGC TATGGGTTTG CTTTGGTGTT GTTTTTAAAA AAAGAAAATA TATTTTTTTG 120
45	AAAAAACGAC TGCCCATCCC GGGTCCTTTC CCTGATGGGT TGGGGCAGTT ACCTGGTTGC 180 TGTTTTAATT AAA 193
	SEQ ID NO:1642
	SEQUENCE LENGTH: 193
50	SEQUENCE TYPE:nucleic acid

5	TOPOLOGY:linear CLONE:HUMGS01857 SEQUENCE DESCRIPTION: GATCACATCA CTCCACCCCT GCCAGGCCCC AGGTTAGGAA TAGTGGTGGG AGGAAGGGGA 60 AAGGGCTGGG CCTCACCGCT CCCAGCAACT GAAAGGACAA CACTATCTGG AGCCACCCAC 120 TGAAAGGGCT GCAGGCATGG GCTGTACCCA AGCTGATTTC TCATCTGGTC AATAAAGCTG 180 TTTAGACCAG AAA 193
10	SEQ ID NO:1643 SEQUENCE LENGTH:193 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
15	CLONE: HUMGS01858 SEQUENCE DESCRIPTION: GATCCTTAGT ACAACATGTG AAAGAAGATA TGTTGTCTTT ACTCACAGTG GAGGCATTTT 60
_	TCTAGCTGTG TTTGATTTGG-CTTCCCTATA GATTCAGGAC CCATAACTCT TGTTCTCACT 120
	CATCTGCTAT GCTGCTGATA AGGACTTTCA GGTCAACAGC TGTAACTGCT AAATGAAGTT 180
20	AATACTCTGG AAA 193
25 30	SEQ ID NO:1644  SEQUENCE LENGTH:192  SEQUENCE TYPE:nucleic acid  TOPOLOGY:linear  CLONE:HUMGS01859  SEQUENCE DESCRIPTION:  GATCTAGGCA AACCTTTATA AAGTTGCAGT ACCTAATCTG TTATTCCCAC TTCTCTGTTA 60  TTTTTGTGTG TCTTTTTTAA TATATAATAT ATATCAAGAT TTTCAAATTA TTTAGAAGCA 120  GATTTNCCTG TAGAAAAACT AATTTTNCTG CCTTTTACCA AAAATAAACT CTTGGGGGAA 180  GAAAAGTGGA AA 192
35	SEQ ID NO:1645 SEQUENCE LENGTH:188 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01860
40	SEQUENCE DESCRIPTION: GATCTGTCTG TTGCTTGTTT AATATATTC TTTTATGACA TTACTTAAAG TTTAAAAGGG 60 TTTTNTATCC ACTGTCAATT TCAATTGGAT AACATTTTGT CAAGNTTTTT TTTTCCTGAT 120 TATTTGATGC TAGCTGGAAT TCAAGAAATG GCATTGACCT TATTCAAATA AAGAAATATT 180
45	TTAGTAAA 188
50	SEQ ID NO:1646 SEQUENCE LENGTH:190 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear

	CLONE: HUNGS01861	
	SEQUENCE DESCRIPTION:	
	GATCAAAAAC TAATTTGGGA TATGTATGGG TAGGGTAAAT CAGTAAGAGG TGTTATTTGG	
5	AACCTTGTTT TGGACAGTTT ACCAGTTGCC TTTTATCCCA AAGTTGTTGT AACCTGCTGT	
	GATACGATGC TTCAAGAGAA AATGCGGTTA TAAAAAATGG TTCAGAATTA AACTTTTAAT	180
	TCATTCGAAA	190
10	SEQ ID NO:1647	
,,	SEQUENCE LENGTH: 183	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY:linear	
	CLONE: HUMGS01862	
15	SEQUENCE DESCRIPTION:	
	GATCAGTTGG GTGCTATGTG CTCAGCTTTC CTACTGCAGC TTCATTTAAT GCAGAGTGGT	60
	GTTTGAATTT GGCTTAGATG GGCTGGCAGG CATGATTTTA AAAAATGTAA TCATCAGTAA	
	GAAGTACTTC CATGTTAAAG ATGCAAAAAA AAAAGTCTTC ATTAAAATTN CTATTTAANG	180
20	AAA	183
	SEQ ID NO:1648	
	SEQUENCE LENGTH: 361	
	SEQUENCE TYPE:nucleic acid	
25	TOPOLOGY: linear	
20	CLONE: HUMGS01863	
	SEQUENCE DESCRIPTION:	
	GATCCAAACA AATACACATT CTGTNTTTTA GCTCAGTGTT TTCTAAAAAA AGAAACTGCC	60
	ACACAGCAAA AAATTGTTTA CTTTGTTGGA CAAACCAAAT CAGTTCTCAA AAAATNACCG	
30	GTGCTTATAA AAAGTTATAA ATATCGAGTA GCTCTAAAAC AAACCACCTG ACCAAGAGGG	180
	AAGTGAGCTT GTGCTTAGTA TTTACATTGG ATGCCAGTTT TGTAATCACT GACTTATGTG	240
	CAAACTGGTG CAGAAATTCT ATAAACTCTT TGCTGTTTTT GATACCTGCT TTTNGTTTCA	300
	TTTTGTTTTG TTTTGTAAAA ATGGTAAANC TTCAGAAAAT AAAATGTCAG TGTTGNNTAA	360
35	<b>A</b> .	361
	<b></b>	
	SEQ ID NO:1649	
	SEQUENCE LENGTH: 183	
40	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear CLONE: HUMGS01864	
	SEQUENCE DESCRIPTION:	
	GATCAGGACC TGGGGGCCTA CAGTTCTGCC AGGAAGTGCC TGGCCAAACA GAGGCAGAGG	60
45	ATGCTGCAAG AGAGAAAAGC TGCAAAANAG GCCGCCGCTG CCACCTCCTG AGGCAGNTGT GGGTGCCCCT GCTGTGTGGC TCTGTATGAC TGTTGCTGAA ATATAAAGCC CTGCAACCTG	120
	AAA	
		183
	SEQ ID NO:1650	
50	SEQUENCE LENGTH: 178	

	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01865 SEQUENCE DESCRIPTION:	acid				
5	GATCTCAGCA CAAGCAGGGG CAATATTTAG CAAGTTGCAT TACCCCCAAG AAGGGGTCAT	TGTAACATTG	TAACTGTTTG	TTTCTCCTTG	GATGATGAGC	60 120 178
15	SEQ ID NO:1651 SEQUENCE LENGTH:178 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01866	acid				
75	SEQUENCE DESCRIPTION: GATCTATGGC TTAAAAAATT ATTTACAGAA GAAAAATNAG	CATGTAATAA	TACAAGAACT	GTTTCCCCCT	CAAAACCTGA	60 120
20	ACCTGAATTA TTTGTAAAAA	CTGAAATTTA	ATGATTAAAG	AGAAGCCAGA	ATTGTAAA	178
	SEQ ID NO:1652 SEQUENCE LENGTH:189 SEQUENCE TYPE:nucleic	acid				
25	TOPOLOGY:linear CLONE:HUMGS01867 SEQUENCE DESCRIPTION: GATCTGGAGC TAATAATGAC	TGAGATGGAG	ATATCTCGAG	CAGCAGCAGA	ACGCAGTTTG	60
30	CGGGAACACA TGGGCAACGT TCTCAAATAT ACCTACTGGA TTTATCAAA					
35	SEQ ID NO:1653 SEQUENCE LENGTH:174 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
40	CLONE: HUMGS01868 SEQUENCE DESCRIPTION: GATCTCTGCT CTGCCCTCTC CTGTCCTTTT TAGCAATGTG CTCANNNGAC TCTGATTTTA	ATTCTTGTTG	TTGATTCTCT	CTCTGGAGTT	CATGTGCTGC	60 120 174
45	SEQ ID NO:1654 SEQUENCE LENGTH:173 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
50	CLONE: HUMGSO1869 SEQUENCE DESCRIPTION:					

	GA	TCAGGCTC ATCTCATO	TG CACCAACTGO	TCTACCTGTT	AGATGGAGAC	CTTGCNTCAT	60
	GA	ATTTCTCG AAATGCTC	CT GGAACTTATT	TATATGCCTC	AAAATCCTCT	AAACTCATTT	120
	AT	AGTAACCC ATAGTTTT	AA TTTTATAAAT	AAACGTATTT	ATTAAATCTT	AAA	173
5							
	SE	Q ID NO:1655					•
	SE	QUENCE LENGTH: 172					
	SE	QUENCE TYPE:nucle	ic acid				
	TO:	POLOGY:linear					
10	CL	ONE: HUMGS01870					
	SE	QUENCE DESCRIPTIO	N:				
	GA'	TCTCTAAT TTAAAGAA	AC AGTTTTTATA	TACCTAGAAT	GAAGATTCTG	TTTAAAGCGG	60
		TTGGTTAA CTTGGTTC					
15		TATTAGCC AATGAATA					172
			0100.21017			ALA.	114
	SE	Q ID NO:1656					
		QUENCE LENGTH: 171					
	-	QUENCE TYPE:nucle	ic acid				
20		POLOGY:linear					
		ONE: HUMGS01871					
		QUENCE DESCRIPTION	N -				
		CTCAAAG GAGTCTGA	•	CTGTGTGTGT	CTCTCTCAGC	CCCTGCCCAG	60
25		TAGAGGGA AACAGCTA					
_		GCAAATAA ATGGGGCT					171
						••	•••
	SEG	ID NO.1657					
		QUENCE LENGTH: 171					
30		NUENCE TYPE:nucle	ic acid				
		OLOGY:linear					
		ONE: HUMGS01872					
		QUENCE DESCRIPTION	٧.				
35		CGNCATT ATCCCCAG	-	CAACAAGATA	GCAGNTAATG	TCACGCATCT	60
		GAAGCGA ATTCAGAG					
		GAGAAAGG AGAGACAA					171
				44141414	1100	•	•••
	SEC	ID NO:1658					
40	SEC	UENCE LENGTH: 171					
	SEC	UENCE TYPE:nucle:	ic acid				
		OLOGY:linear					
	CLO	NE:HUMGS01873					
45		UENCE DESCRIPTION	٧:				
-		CAAAGAC ATCCTCATO		GACCNNCTGG	TAGCTGACCC	TCGTCGNTGC	60
		TCCAAAA AGTTNGGA					
		CTAAAAC TTACTTNA					171
		,					
50	SEC	ID NO-1659					

	CENTENCE DECCRIPTION.			
10	SEQUENCE DESCRIPTION: GATCAAAAAT CCAAGGAGAA TG TGGTGTTAAA TAATGTAATA TA GTTTGATTTT NGTAGTATAA NTO	TAANANTC ATGATATANG	ANTGTTTGAA GGTGATGCA	A 60 F 120 170
	SEQ ID NO:1660 SEQUENCE LENGTH:167 SEQUENCE TYPE:nucleic aci	id		
15	TOPOLOGY:linear CLONE:HUMGSO1875 SEQUENCE DESCRIPTION:			
20	GATCCTCGCT CCGTTGCACG GGC ATNTCGCTGG TTCTTTGTAG TCA TGTGCCCATT GCAAATAAAT CAC	ACATATTT AATAGTCTTA	ATATCTTGTT TTTGCATCAC	
25	SEQ ID NO:1661 SEQUENCE LENGTH:167 SEQUENCE TYPE:nucleic aci	id		
	TOPOLOGY:linear CLONE:HUMGS01876 SEQUENCE DESCRIPTION:			
30	GATCTGGGCG ATTCTGAAGC CAT GTTGATTGAC CAAACCAGTT CAT CATCCAAGGN NGGGTTTNTG ATT	TAAGGGGA ATTTTTTTA .	AAAAACAACA AAAAAAAAA	
35	SEQ ID NO:1662 SEQUENCE LENGTH:165 SEQUENCE TYPE:nucleic aci	: 1		
	TOPOLOGY: linear CLONE: HUNGSO1877 SEQUENCE DESCRIPTION:			
<b>.</b>	GATCTTCCCC AAGAGGGACT GGG AAAATTTGAT TTTGATTTTA TTT AATTCCTGTG ATTTATGCCA ATA	TTTTCTCT GTAAACTTCC	AAGCTGGCTT TTCCCATTTC	
45	SEQ ID NO:1663 SEQUENCE LENGTH:165			
50	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01878 SEQUENCE DESCRIPTION:	. <b>d</b>		

	GATCCCTNCC TTGGTGGGCA	GTTCTGCCTT	CCAAGGAAGA	AGGGGAAGAA	AAGGACCTGT	60
	GGGTGGCTCA GGNCNAAGCA	GACCCCGGGC	TCCACCCCAG	CCCCGNCCAG	GNTGCTGCCA	120
	GTNCACACTT TTACAAATTT	AATATAAAGC	AAGTCCAGTN	TTAAA		165
5						
	SEQ ID NO:1664					
	SEQUENCE LENGTH: 161					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
10	CLONE: HUMGS01880					
	SEQUENCE DESCRIPTION:					
	GATCAGGCTG CTGAGGGAAT	AAATTTAATC	AAGGTCTTTG	CAAAAACAGA	AGCACAGAAG	60
	GGAGCCTATA TAGAACTAAC					
15	GCTTCCTAAA AATATTTTAA				CONTICTOR	161
15	GUITGUIAAA AATATITIAA	AAATACATTI	ATTITACIAA	A		101
	SEQ ID NO:1665					
	SEQUENCE LENGTH: 158					
	SEQUENCE TYPE:nucleic	aaid			•	
20	TOPOLOGY: linear	aciu				
	CLONE: HUMGS01881					
	SEQUENCE DESCRIPTION:					
	GATCAGTCCA TCCCAGAGGG	<b>ለ</b> ርርርር ለርተጥ ለ	TCACAACCTT	TCC 4 4 4 T 4 T T	ጥጥር ርጥጥጥ ልጥር	60
05	AGCCGATATC AACACTTGTA					
25	TGTGCGCGTC TCTGCTAAAC			AdidCCIIdi	GCAATGTGAA	158
	INTROCUCUTO TOTOCIANAC	CACCATITIA	IIIUUAAA			190
	SEQ ID NO:1666					
	SEQUENCE LENGTH: 158	•				
30	SEQUENCE TYPE:nucleic	aaid				
	TOPOLOGY: linear	aciu				
	CLONE: HUMGS 01882					
	SEQUENCE DESCRIPTION:					
	GATCGTGTAT TGAGATTTCT	TAAATAATCC	<b>ጥጥር አር አጥአጥ</b> ጥ	ለ ጥጥር <b>ርጥጥጥ</b> ላ ጥ	<b>ጥር/</b> ምምምምምር	60
35	TATTGGTTAA AACTGTACAT					
	GTCTATTTTA AAATAAATTA			IIIIMIACAA	IIAAIAUIII	158
	GICIATITIA AAATAAATIA	GIIGIIAAGA	GICTIAAA			100
	SEQ -ID NO:1667					
40	SEQUENCE LENGTH: 155					
	SEQUENCE TYPE:nucleic	anid				
	TOPOLOGY: linear	aciu				
	CLONE: HUMGS01883					
45	SEQUENCE DESCRIPTION:					
45	GATCTTTGTT AGTTGCATAT	<b>ተልተልተተተ</b> ቦልር	<b>ጥር</b> ጥጥ ተ	CTTGGTGAAT	<b>ፐርል</b>	60
	ATCATTATGT AATTCCCCTA					
	TGAGAAGTAA AANTAAAATA			וויטטזותיוו	OULIMONII	155
	AIAMANINA AANIAAANA	MIMMIDIANA	UUMAA			100
50	SEQ ID NO:1668					
	PPS IN MOTION					

	SEQUENCE LENGTH: 155 SEQUENCE TYPE: nucleic	acid				
5	TOPOLOGY:linear CLONE:HUMGS01884 SEQUENCE DESCRIPTION:					
	GATCACTCTG GGCTCACTTG	CCTGCCTAAT	GGTCATCTCC	CCAGTAGACT	GTAAGCTCCT	60
	TGAGGGCAAG GATTGTGTTG	GAATTTTTGT	ATTAACAGTG	CCTGGCTTGG	TGCCTGGCAC	120
10	CTAGAAAGCA CTCAATAAAT	GTTTGTTTAA	TGAAA			155
	SEQ ID NO:1669					
	SEQUENCE LENGTH: 161					
	SEQUENCE TYPE:nucleic	acid				
15	TOPOLOGY: linear					
	CLONE: HUMGS01885					
	SEQUENCE DESCRIPTION:					
	GATCAGATGC TTGAAATTTA					60
20	TCTGTGTTAG AGATATGAAA				AGAGATTTAA	
	TTATTTGTAA TAAANGNTTT	GCTGCAGTCT	GAAAACTGAA	A		161
	SEQ ID NO:1670					
	SEQUENCE LENGTH: 153					
25	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS01886					
	SEQUENCE DESCRIPTION:					
30	GATCTATTGT AATGTGTTAT					
	TATGTATTNT CAAAAGGAAA			AGGGCCAGTG	GGTGATACTG	
	AAGTTGTCGG GATGGATGGT	GTCTATCTGG	NNN			153
	SEQ ID NO:1671					
35	SEQUENCE LENGTH: 444					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS01887					
40	SEQUENCE DESCRIPTION:		mamaaaaa			
	GATCTAGAAG TTTTACTTTT					
	TTCAACATAG GGAACAAACT	<del>-</del>				-
	AGTTTTTTAA AATAAACTAT					
45	AGGCTTTCTA ATTTNGTATA GTTGTAACTC TGTTTATACT					
45	GTCATAACCA ACATATGANC		•			
	GTTTAATCTG ATACCAGTTG					
	CTAAAACTTT CTTTNAAGGT		UCCALLIGUI	IIIICINAAA	VOCTATACON	444
	CINAMACITI CITINAMUT	IAAA				777
50	SEQ ID NO:1672					

5	SEQUENCE LENGTH: 151 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01888	acid				
10	SEQUENCE DESCRIPTION: GATCAGCAGC CCTCGCAATG CTACTTCATC AAGAAGAACT TGATGCTTTC CATTAAAAAN	GAGCAAGGCC	TGAGCGCTGC			60 120 151
	SEQ ID NO:1673 SEQUENCE LENGTH:150 SEQUENCE TYPE:nucleic	acid				
15	TOPOLOGY: linear CLONE: HUMGSO1889 SEQUENCE DESCRIPTION:					
	GATCCAGATG ATAAACCAGT	GAACTATGTC	AAAAGCACTC	TCAATATTAC	ATTTGACAAA	60
20	AAGTTTTGTA CTTTNCACAT	AGCTTGTTGC	CCCGTAAAAG	GGTTAACAGC	ACAATTTTTT	120
	AAAAATAAAT TAAGANGTAT	TTATNGGAAA				150
	SEQ ID NO:1674					
25	SEQUENCE LENGTH: 148 SEQUENCE TYPE: nucleic					
	TOPOLOGY: linear	acid				
	CLONE: HUMGS01890					
	SEQUENCE DESCRIPTION:					
	GATCCGNCCG TCTCTGCCTT	CCAAAGTGCT	GGGATTACAG	GCGTGAGCAC	ATCTGCCCGG	60
30	CTTATTTTTC TTTATGTTTT					
	TTGCTGACGT TGCTGGGGAA					148
	SEQ ID NO:1675					
35	SEQUENCE LENGTH: 568					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS01891					
40	SEQUENCE DESCRIPTION:	************	<b>ጥ</b> ር ርርጥ አርጥጥጥ	ጥ/ሶጥሞጥ 1 ጥጥ 1 / ር	<u> </u>	en
	GATCTACCCC AGGGAGAATC ATTCATTTCT TTTATACCTT					60
	ATGTAAAAGG ATTATTACTA					
	AGGGCAAGCC ACCAAATTAC					
45	GAAGATGAAC TTTGTCATTA					
	CAAAAAACAT ACTTACATTT					
	TTGAACTATG ACTGGAGTAA	ACCATGTATT	CCCTTATCTT	TTACTTTTTT	TCTGTGACAT	420
	TTATGGTCTC ATGTAATTTG					
50	TCGGTAATAG GTTATTTCCA	TATACTATAA	TTGGNAATAT	TTTTGTACCA	ATGGTTATAA	540
	CNCTAGGGGT NTAAAAACCA	GGTTCTGN				568

5	SEQ ID NO:1676 SEQUENCE LENGTH:146 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01892 SEQUENCE DESCRIPTION:	
10	GATCTCTAAG GTATTATGTT TGCCTTCTCT TAGTTATTTC TGGGTTGTCA CAAAGCTCAG TATCATGGTT TGACAGAAGC AGTTATGTGA ACTTTTATGT TAGGACATTA CTAAAATAAAG	
15	SEQ ID NO:1677 SEQUENCE LENGTH:144 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01893	
20	TTTCACAATC AGCCCAAGGC TGGGAAAGCT GGAATGGGAT GGGAACCCCT CCGCCGTGCA 1	60 120 144
25	SEQ ID NO:1678 SEQUENCE LENGTH:151 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01895	
30	ACCTACGTGG TGGAAATAGT AAACCTATAT TTTCATAATT CTATGTGTAT TTTTATTTTG 1	60 120 151
35	SEQ ID NO:1679 SEQUENCE LENGTH:140 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
40	TTAAGATTCA GAATAACCAA TTGCTTTGTC TGTTAAATCT CCCGATTTCT GTTAGGAAAA 1	60 120 140
45	SEQ ID NO:1680 SEQUENCE LENGTH:139 SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	

5	CLONE:HUMGS01897 SEQUENCE DESCRIPTION: GATCACTATG TAGGCAATGC TGGATACTGG NCTGTTATTT ACACATTTGT ATCACCTTTT 60 ATTTCATAAG ATAGCATTGT CAGANTAATT TAGTATTTCA ACATAATCAA CAAGTAAAAT 120 AAAATTAATG AGAATGAAA 139
10	SEQ ID NO:1681 SEQUENCE LENGTH:139 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01898
15	SEQUENCE DESCRIPTION: GATCTCCACA TTCAGGTTTC CTGATGCACT TTNCGACTCT TTGGGCAACC TCTGGACTCC 60 TTGTNCCCAG GGTCCACATT TAGTTTTATC TTTACTGCAT TGCTTTTATG AAAAAGAATA 120 AAATTGGATG AAACAGAAA 139
20	SEQ ID NO:1682 SEQUENCE LENGTH:143 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO1899
25	SEQUENCE DESCRIPTION:  GATCAGTTAA TTTGTATGTA GCAGTGTATG CTCTCATATA CAATNACTGA CCTATGCTCT 60  AAAACATGAA TGCTTTGTTA CAGACCCAAG CTGTCCATTT CTGTGATGGG TTTTGAATAA 120  AGTATTCCCT GTCTTAAATG AAA 143
30	SEQ ID NO:1683  SEQUENCE LENGTH:136  SEQUENCE TYPE:nucleic acid  TOPOLOGY:linear CLONE:HUMGSO1900
35	SEQUENCE DESCRIPTION: GATCGAATCA CCTGAATGTT CTATGTANTG TAAAATATTC TTTTCTTGCT TTCTTGTGTT 60 AAGGTATATA TTCTATTTGT ATGGAATTCT TATTCAAATA CAGTTCTATT AAAGAGTATA 120 CTCCTATTGG ATGAAA 136
40	SEQ ID NO:1684
45	SEQUENCE LENGTH: 136 SEQUENCE TYPE: nucleic acid TOPOLOGY: linear CLONE: HUMGSO 1901 SEQUENCE DESCRIPTION:
50	GATCTCAGCG GCATTAAGCT GTGCCTGAGC GAGTTTGTAG TGACTCACTG CACAGCACCN 60 CCAGACTAGC ATGTGGTTCT ATATTTGTAA AGTTATTGGG ATAAGAAACA ATTAAACAGT 120 TTGTAGTAAA CACAAA 136

. 5	SEQ ID NO:1685 SEQUENCE LENGTH:136 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01902 SEQUENCE DESCRIPTION:	acid		
10	GATCTTCTAC TTCCCTNTGG TGTCCTGGAT GCCTCTGAAG GGTCATTTAA ACCAAA			60 120 136
15	SEQ ID NO:1686 SEQUENCE LENGTH:135 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01903 SEQUENCE DESCRIPTION:	acid		,
20	GATCTTTAAA AAAATTTTCC TGTCATCTAT AGATTGAACA TATTTGGTCT TCAAA			60 120 135
25	SEQ ID NO:1687 SEQUENCE LENGTH:135 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01904	acid		•
30	SEQUENCE DESCRIPTION: GATCAGCAGT TCCAGCCCCT GTGCTTGGNA AAGCTCCCTC CCTAGGGCCA AGAAA			60 120 135
35	SEQ ID NO:1688 SEQUENCE LENGTH:136 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid		
40	CLONE:HUMGS01905 SEQUENCE DESCRIPTION: GATCTTCATC TGTAGCCAAG CTTTGACAGT GTGTCCAGCA TGTGTTGACT CAGAAA			
45	SEQ ID NO:1689 SEQUENCE LENGTH:134 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid		
50				

	CLONE: HUMGS01906 SEQUENCE DESCRIPTION:	
	GATCTTAATG TTTCAAAGGA GTGCAGCCCT TCACAGCCAT CAGATATGAG GGCACTGTTC 6	60
5	TGTCTGGTGT TGTAGCCATC TCAAGAACAA ATCAACAGCA ACAAAAGAGA AAGAATAAAT 12	
-	TTTTAAAATT TAAA	34
	SEQ ID NO:1690	
10	SEQUENCE LENGTH: 134	
70	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS01907	
	SEQUENCE DESCRIPTION: GATCTGTGAC CCTGGGCGCT GAAAATGGGA CCCAGGAATC CCCCCCGTCA ATATCTTGGC 6	
15	CTCAGATGGC TCCCCAAGGT CATTCATATC TCGGTTTGAG CTCATATCTT ATAATAACAC 12	0
	AAAGTAGCCA CAAA 13	-
	SEQ ID NO:1691	
20	SEQUENCE LENGTH: 134	
	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS01908	
25	SEQUENCE DESCRIPTION:	
	GATCTCTACT ACCACAAGGA AAATAGTTTA GGAGAAACCA GCTTTTACTG TTTTTNAAAA 6	0
	ATTACAGCTT CACCCTGTCA AGTTAACAAG GAATGCCTGT GCCAATAAAA GGTTTCTCCA 12	
	ACTTGAAGTC TAAA 13	4
30	SEQ ID NO:1692	
	SEQUENCE LENGTH: 140	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY:linear	
35	CLONE: HUMGS01909	
	SEQUENCE DESCRIPTION:	_
		0
	CCTGGTGGCC AAGCTGAAGG AGATTGGGCG GATTTGAGCC CCTCCCAGAG ATGGCAATAA 12	
40	AACTGACTCT CAACATCAAA 14	U
	SEQ ID NO:1693	
	SEQUENCE LENGTH: 133	
	SEQUENCE TYPE: nucleic acid	
45	TOPOLOGY: linear	
	CLONE: HUNGS01910	
	SEQUENCE DESCRIPTION:	. ^
	GATCTAACCT TTGANGCTTT AAAAAAGGAG AAAGAGGGTA GGGGTGGGAA ACTGGCATAC 6 TGTGTGTATA GCACTGCCGA TTGGCTAGGC CACTGTGTCT CTGCTACAAA TTAAAGAAAT 12	
50	CCTAAAAGTT AAA	-
	TV	

5	SEQ ID NO:1694  SEQUENCE LENGTH:133  SEQUENCE TYPE:nucleic acid  TOPOLOGY:linear  CLONE:HUMGS01911  SEQUENCE DESCRIPTION:	
10	TTGCTGGATT TTTACATTTT TATATAATAA AAATGNTATT TTGAAATAAA GATTATGCTG 1	60 20 33
15	SEQ ID NO:1695  SEQUENCE LENGTH:131  SEQUENCE TYPE:nucleic acid  TOPOLOGY:linear  CLONE:HUMGS01912  SEQUENCE DESCRIPTION:	
20	GATCTATTGC AGATATTTGA TGTAGTTTTC TCTTTTAAAT TAATCAGAAA CCCCACTTCC ATTGTATTGT CTGACACATG CTCTCAATAT ATAATAAATG GGAAATGTCG ATTTTCAATA 12	60 20 31
25	SEQ ID NO:1696 SEQUENCE LENGTH:130 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01913	
30	ATCGGATTCT AGCAGCCTGG TATTCTAGCA ATAAAACCCA AGGCCTGAGA AACAGGGGCC 12	60 20 30
35	SEQ ID NO:1697 SEQUENCE LENGTH:130 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
40	GTGAAATTTC CCTTTTGTTG TTTTTNACTT TTAATTAATA AAAGTACATT GTTTTCATAG 12	60 20 30
45	SEQ ID NO:1698 SEQUENCE LENGTH:130 SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	

5	CLONE:HUNGSO1915 SEQUENCE DESCRIPTION: GATCGAAGCT ACCGTAATGT GTTCTTGAGG TCAACATGTT TTGTGGAAGT CACTGTATTT 60 GCCCCNTTAT GTCAATTACC TATTATAAAC CGAGAGAAAT GGGAAAATTA AAAACCTGTT 120 TTGAATTAAA
10	SEQ ID NO:1699 SEQUENCE LENGTH:129 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01916
15	SEQUENCE DESCRIPTION: GATCCCTTGT AAACATGAAA TCATTCCATG GATGGCTGCC TTATAATTTT GTCTCTTTCC 60 ACTTTAATTG TGAATGGTTA AAAAAATGCT GTTTTCTGAT ATTAAATTTT TATTAGTGCA 120 TACCTTAAA 129
20	SEQ ID NO:1700 SEQUENCE LENGTH:82 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
25	CLONE:HUMGS01917 SEQUENCE DESCRIPTION: GATCTGTACC TAGTACCCCT CCCATCTACT GATTTGTTTG TTTTTGTAAC CAAACACATT 60 TTCAGATAGA AGGAGCCTTA AA 82
30	SEQ ID NO:1701 SEQUENCE LENGTH:128 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01918
35	SEQUENCE DESCRIPTION:  GATCCCCTAT TCCCTCCACA ATAACAGAAA CACTCCCAGG GACTCTGGGG AGAGGCTGAG 60  GACAAATACC TGCTGTCACT CCAGAGGACA TTTTTTTTAG CAATAAAATT GAGTGTCAAC 120  TATTTAAA 128
40	SEQ ID NO:1702 SEQUENCE LENGTH:137 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
45	CLONE:HUMGSO1919 SEQUENCE DESCRIPTION: GATCTACAAT NAAGCCCTCA AGGGCTGAAA ATAAATAGGG AAGATGGAGA CACCCTCTGG 60 GGGTCCTCTC TGAGTCAAAT CCAGTGGTGG GTAATTGTAC AATAAATTTT TTTTGGTCAA 120
50	ATTTAAAAAA AAATAAA 137

5	SEQ ID NO:1703 SEQUENCE LENGTH:128 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01920 SEQUENCE DESCRIPTION: GATCTGAGGA GGAAATGTGA GGAAGTTCAC CGACANTACC AGGCTGNN	CGCCGGACGC				
15	SEQ ID NO:1704 SEQUENCE LENGTH:127 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01921 SEQUENCE DESCRIPTION: GATCTGGCGT NCTACTATGA AGACCATCCT ATACTGTGAC AGCTCNN	GGCTTCTTTT				60 120 127
25	SEQ ID NO:1705 SEQUENCE LENGTH:146 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01922	acid				
30	SEQUENCE DESCRIPTION: GATCATAGCT ACACTGTATG GTGTTTGCTT GGTACTGTCA AATAAAAAAAT ACCACTCACC	TAGTGATTAC				
35	SEQ ID NO:1706 SEQUENCE LENGTH:240 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01923	acid				
40	SEQUENCE DESCRIPTION: GATCAAAAAG GACTGAACCC CTAGCAGTGC ATATATGAAT TAATTATATT AAGATAGTGA TCAGTGGATT GAATGTGACT	GAATATGGTA ATAAAGATGT	ATTAATCTTA ATAATATTTT	CCTATAAGAA NATTAATACC	CCAAATACTT TTGAATATAT	180
45	SEQ ID NO:1707 SEQUENCE LENGTH:124 SEQUENCE TYPE:nucleic		NO INCUMITO	INIINNNAIA	IIICIUUAAA	240
50	TOPOLOGY: linear					

5	CLONE: HUMGS01924 SEQUENCE DESCRIPTION: GATCTTATGA AGGAAGATTT ATATATCCCG AACCAACANC TAAA					60 120 124
. <b>10</b>	SEQ ID NO:1708 SEQUENCE LENGTH:124 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01925 SEQUENCE DESCRIPTION:	acid				
15	GATCCCCTTT CTCTATGTCG ACATGACATT TTTGTTCCAG NGAN					
20	SEQ ID NO:1709 SEQUENCE LENGTH:146 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01926	acid				
25	SEQUENCE DESCRIPTION: GATCCGAGCA GTCCTCTGCC GTAAATGTCT CAGCCCCTCG AAAAAAAAAA AAAAAAAAA	TTCTTGGTCC				
30	SEQ ID NO:1710 SEQUENCE LENGTH:120 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
35	CLONE:HUMGS01927 SEQUENCE DESCRIPTION: GATCCTGTGT AGAAGCTGTT AGCTACAAAT TCGGTTTCAT					60 120
40	SEQ ID NO:1711 SEQUENCE LENGTH:121 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid	•	·	·	
45	CLONE: HUMGS01928 SEQUENCE DESCRIPTION: GATCTGCGCC TCTCAGTGCC AAAATATTAT GCACACTGTT A					
	n					171

5	SEQ ID NO:1712 SEQUENCE LENGTH:125 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01929 SEQUENCE DESCRIPTION: GATCGGGGCA AGAGAAGGCT GGAGTTTCTT AATNAGATAT CGAAA	GAGTACGGAT				
15	SEQ ID NO:1713 SEQUENCE LENGTH:338 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01930 SEQUENCE DESCRIPTION:	acid				
20	GATCAGCCCA TCTCAGCTTG AGCTACGACT GGTCAAAGGG CTGCGTAATG CAGCCGAAGA GCTCAGCCAG AGTTGTTTCT CTTGTTGGGT TGTCAGCCAT TCAGCAGCTG AGNGCCCCAG	ACATGAATTT GCTAAAGCCC CTCCANTCTG GGACATGGAT	NATAATCCCC AGGAATAAGA CCTCATCTCT TTCAACCCCT	AGAAAAAAAN AGTAGTGGCT GTACGANTTT	TTACATTINC GGAGACTCTG GGGTCCCAGC	120 180 240
30	SEQ ID NO:1714 SEQUENCE LENGTH:85 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01931 SEQUENCE DESCRIPTION: GATCCCATAT CTATTACCGT		ATAATAGGTA	AGGGCTCTGT	CTCTGTCAAG	60
35	CCATGTAACA AAGGACACTG  SEQ ID NO:1715 SEQUENCE LENGTH:260 SEQUENCE TYPE:nucleic TOPOLOGY:linear	TTAAA	ATTAC TO		0.00.00.00.00	85
45	CLONE: HUMGS01932 SEQUENCE DESCRIPTION: GATCCAGCCC TGGTTCTGGC GCCTCATTTC TTTGTCTTTT CTCTGTAGTC TCAGTTCGTG ACTGCCGAAG AATTGTCTTG AANCTTATTT NATCCNNAAA	TCCTACTCCG TTTGATTCCA CAAGTNAAGG	TTCCTGGCAT TTCCATGGAA	TTGCTGATTT ATAAAAAGTA	CTAGTGTATA TGTTGTACAT	120 180

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SEQ ID NO:1716

5	SEQUENCE LENGTH: 430 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01933	acid				
	SEQUENCE DESCRIPTION: GATCTTGTGC TGTGCTATCC AGCAGGAAAG TTTACCCATG					60 120
	TGTTGTTTGT TGTTTGTTTT					
10	AAAGCTGAAG TTACTTTATG					
	TGAGCGGGGG GTTTGGTTTG					
	ATATTAAGCA GAAATCCTGC					
	TGTACATAAA AGAATTTTTT	TGNCTTTAAA	TAGATACAAA	TGTCTANCAC	CTTTAATCAA	
15	GTTGTACCTN					430
	SEQ ID NO:1717					
	SEQUENCE LENGTH: 171					
	SEQUENCE TYPE:nucleic	acid				
20	TOPOLOGY:linear					
	CLONE: HUMGS01934					
	SEQUENCE DESCRIPTION:					
	GATCGAGCCA CTGCGCTCCG					
25	АААААААААС ТАСТАСААТА					
	TCTTTTNAAA AAGTACACTT	AAATAAAAAT	CTAANCATAA	GNGANTGTAA	A	171
	SEQ ID NO:1718					
•	SEQUENCE LENGTH: 115					
30	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS 01935					
	SEQUENCE DESCRIPTION:					
35	GATCGCTCAG AAAATGGGAA					
	AAGTGTCACA TGTTTTTTAT	AATAAAACAT	AGGTGATTTC	ACCTTAATGG	ACAAA	115
	SEQ ID NO:1719					
	SEQUENCE LENGTH: 115					
40	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS01936					
	SEQUENCE DESCRIPTION:					
45	GATCCTCCCA CCTCAGCCTC					
	CAAATTTGAT TTTTTTTTT	TTTCCAGAGA	NGGGGTNTTO	NANCATTGCC	CAGNN	115
	SEQ ID NO:1720					
	SEQUENCE LENGTH: 115					
50	SEQUENCE TYPE:nucleio	acid				

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	TOPOLOGY:linear CLONE:HUMGS01937 SEQUENCE DESCRIPTION:	
5	GATCTAGCAC TTTACAAAGT AAGTTTTTCT GTNACTTAGA GCTGAAAATA AAA AGAGTTACGC TTTTATAAGT ATTTNANGTT TCANAAATNA TGCATACAGC AAT	60 115
10	SEQ ID NO:1721 SEQUENCE LENGTH:114 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01938	
15	SEQUENCE DESCRIPTION: GATCATTTAG TTCTATCTAT TTAGAAATAT GTAAAACTGG ATTTTTTTTT AAG TGACCAAAGT TAATTTTGTC CCAAAGGTCT AAATAAAGAG CAGTTTCCCA TAA	60 114
. 20	SEQ ID NO:1722 SEQUENCE LENGTH:119 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01939	
25	SEQUENCE DESCRIPTION: GATCGCCACA GCCCTTCTTG GAAGAAAGGC GTCTGTGTTT CAGGTTCCAC GCG TCTTTCGTCT TAATGTTCAC CGTCCACAGC TTTGGAATAA ACCATCCTGG GAA	60 119
30	SEQ ID NO:1723 SEQUENCE LENGTH:113 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01940	
35	SEQUENCE DESCRIPTION: GATCTTTGAC TGTATCATGC ATTGTACAAT TGATTTCATA TTTTATGAAA TGC TTCCTACTAT AACATAAAGA CAATGATGAA TAAAGTTTAT GTGTATGATT AAA	60 113
40	SEQ ID NO:1724 SEQUENCE LENGTH:113 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01941 SEQUENCE DESCRIPTION:	
45	GATCAGAAAC ATACATACCC TNCCTAGGGA TTTAGAAAGT GGGTTGGCAG TC' CGTCCATCAC GCANTTGGNA CCTACTNCAG TGTATTGTAA ACTTTTTCT CN	60 113
50	SEQ ID NO:1725 SEQUENCE LENGTH:111 SEQUENCE TYPE:pucleic acid	

	TOPOLOGY:linear CLONE:HUMGS01943 SEQUENCE DESCRIPTION:					
5	GATCCCAGAG GTCANGACCA TGCACTAACA GGAGCTATCC					60 111
10	SEQ ID NO:1726 SEQUENCE LENGTH:113 SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear CLONE:HUMGS01944 SEQUENCE DESCRIPTION:					
15	GATCCCGCAG GTGGCACGTG CTCACATATT AATTTTATAA					60 113
20 ,	SEQ ID NO:1727 SEQUENCE LENGTH:109 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01945	acid				
25	SEQUENCE DESCRIPTION: GATCTCAAAA TTCCAGAATT TTGTAAACTG TCTAGTGTTT				CAGGTGTGAC	60 109
<b>30</b>	SEQ ID NO:1728 SEQUENCE LENGTH:329 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01946	acid				
35	SEQUENCE DESCRIPTION: GATCCGTATC GGTTTAAGAA GGCCAGTTTG TGTATTGCGG GGCACCATGC CTGAGGGTAC AAGCTGGCCC GGGCATCAGG	CAAGAAGGCC AATCGTGTGC GAACTATGCC	CAGCTCAACA TGCCTGGAGG ACCGTTATCT	TTGGCAATTT AGAAGCCTGG CCNACAACCC	GCTCCCTGTG AGACCGTGGN TGAGACCANG	120 180 240
40	ANGACCCGTG TGNAGNTGCC GTGGTTGGTG TGGTGGCTGG		AAGANGGITA	INICCINAGN	CATCAGNGCI	329
45	SEQ ID NO:1729 SEQUENCE LENGTH:109 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01947 SEQUENCE DESCRIPTION:	acid				
50	GATCTGTCAA TTTCTTTGTN TTGGNTTATA ATNAATATCT				ACATGCATTA	60 109

	SEQ ID NO:1730 SEQUENCE LENGTH:215 SEQUENCE TYPE:nucleic	acid				
5	TOPOLOGY:linear CLONE:HUMGS01948 SEQUENCE DESCRIPTION:					
10	GATCAGCTGA TGGAGCTCCT CACAGGGAGG AACTTGTCCA AAGTGCTGTG AAATAACATC	GTAGTTTGGA	ATTGTGTTCT	TCGTAAAGAC	TGAGGCAAGC	
	ATATTTTGAG AATAAAACTT					215
	SEQ ID NO:1731					
15	SEQUENCE LENGTH: 107 SEQUENCE TYPE: pucleic					
	TOPOLOGY: linear	aciu				
	CLONE: HUNGS01949					
20	SEQUENCE DESCRIPTION:					
	-GATCGCACCG CCCCTCGCAG TAAATAATAT TNATNACTTG				AACAAAGTGC	60 107
	SEQ ID NO:1732					
25	SEQUENCE LENGTH: 107					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS01950 SEQUENCE DESCRIPTION:					
30	GATCACTGTG GTNTTCATAT	TTCTAAAATA	AATGAATTAA	AAANTTTAAN	GNCTTAGATG	60
	CTTATCTCTA TCATAGCTCA					107
	SEQ ID NO:1733					
35	SEQUENCE LENGTH: 106					
	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE: HUMGS01951					
40	SEQUENCE DESCRIPTION:					
40	GATCAACTGT ACGCCTTTGG				ACATTTGGGT	60
	GATGTCTTCA CATGGAAATA	TAATAAAAT	AAAAATCTAG	TTTAAA		106
	SEQ ID NO:1734					
45	SEQUENCE LENGTH: 106					
	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE: HUMGS01952					
	SPOURNCE DESCRIPTION.					

	GATCGAGGCT TCAGTGAGAT	ATGGCTGAGA	CACTGCTCTC	AGCCTGGATG	ACAGAGTGAG	60
	AACCTGTCTC AAACAAGAGA	AAAAAATAAA	TCAAANNCTA	TTCAAA		106
5	SEQ ID NO:1735					
	SEQUENCE LENGTH: 151	٠,				
	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE: HUMGS01953					
10	SEQUENCE DESCRIPTION:					
	GATCTGAGGA GGCTTCGTGG	<b>に</b> のこうですすないので	CCTCTAACTA	GGACTCCCTC	ATTCCTAGAA	60
	ATTTAACCTT AATGAAATCC					
	CCAGGAATAG TCACTGCCTT					151
15						
	SEQ ID NO:1736					
	SEQUENCE LENGTH: 106					
	SEQUENCE TYPE:nucleic	acid				
20	TOPOLOGY: linear					
	CLONE: HUMGS01954					
	SEQUENCE DESCRIPTION:					
	GATCCACCCA CCTNAGGCCT				CCACGGCTTC	
25	GCCAACAATG GATTTTTAAA	TIATITICAL	GUTUAUAAAA	AACCIN		106
	SEQ ID NO:1737					
	SEQUENCE LENGTH: 106					
	SEQUENCE TYPE:nucleic	acid				
30	TOPOLOGY:linear					
30	CLONE: HUMGS01955					
	SEQUENCE DESCRIPTION:					
	GATCNANCCT CAACACCTAG				TAATTNGGGT	
05	TGAATTGTGT TGAACTAACC	TGGCGGTATA	GGCAAAANTT	GGAAGN -		106
35	CEO ID NO.1720					
	SEQ ID NO:1738 SEQUENCE LENGTH:105					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	acia				
40	CLONE: HUMGS01956					
	SEQUENCE DESCRIPTION:					
	GATCTCCCAT TTCTAGGAAC	CCCAGTCCTG	CTTCTCCGCA	ATGGCACATG	CTTCCACTCC	60
	ATCCATACTG GCATCCTCAA	ATAAACAGAT	ATGTATACAT	ATAAA		105
45	070 ID NO 4777					
	SEQ ID NO:1739					
	SEQUENCE LENGTH: 105 SEQUENCE TYPE: nucleic	anid				
	TOPOLOGY: linear	aciu				
50	CLONE · HIMGS 01957					

	SEQUENCE DESCRIPTION:					
	GATCCAAGAG ATATATTTGG				TAATTCATTA	
	CATTCTTGAG TTTTTTTGGG	11111111111	IIIIIIINUNU	nnann		105
5	SEQ ID NO:1740					
	SEQUENCE LENGTH: 107					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
10	CLONE: HUMGS01958				•	
	SEQUENCE DESCRIPTION:					
	GATCCAGCTG GAAAGCTGAA	GTATTTCGAT	AAACTGAATT	${\tt GAGAAATACT}$	TCTTCAAGTT	60
	ATGATGCTTG AAAGTTCTCA	ATAAAGTTCA	CGGTTTCATT	ACCNAAA		107
15	GEO. ID NO. 1741					
	SEQ ID NO:1741					
	SEQUENCE LENGTH: 119	1				
	SEQUENCE TYPE:nucleic	acid				
20	TOPOLOGY: linear					
	CLONE: HUMGS01959					
•	SEQUENCE DESCRIPTION:	ተር ለር ለ አጥሮር ጥ	<i>ርድር አር ር ኒ ተተተተ</i>	<b>ጥ</b> ለጥጥጥርጥ አ ለ አ	TTC 1 TCT 1 CT	60
	GATCTTAAGG TATCAGTATT GTATGTCCAT AAGTGAAAAT					60
	GINIGICCAI ANGIGANANI	MAMINICAL	AIICITICI	AIDDIIANIA	ICATICAAA	119
25	SEQ ID NO:1742					
	SEQUENCE LENGTH: 114					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear	4014				
30	CLONE: HUMGS01960					
	SEQUENCE DESCRIPTION:					
	GATCCTTAGC TCTTTGCTCT	ATGGCCCTTC	CTCATCAGGG	GACCGTTTCC	CCCCTCTTCC	60
	TTCACAGTAT TTAAGAAATA	AAAGTCGGAT	TTTNCTGGCT	GCTTTCTCTC	TAAA	114
35						
	SEQ ID NO:1743					
	SEQUENCE LENGTH: 102					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
40	CLONE: HUMGS01961					
	SEQUENCE DESCRIPTION:					
	GATCGCCCCA TTGCACTNCA				AAAAAACAAA	
	AACAAAANCA AACAAAAAAN	TTCCCCTGAG	AGAAAACCTA	TN		102
45	CEO ID NO. 1744					
	SEQ ID NO:1744 SEQUENCE LENGTH:101					
	SEQUENCE TYPE:nucleic	ani d				
	TOPOLOGY: linear	aciu				
50	CLONE: HUNGS01962					

	SEQUENCE DESCRIPTION:					
	GATCACACAC TAAGAGAACG	TTGATTGCCT	CGGCTATTGT	GCTGGCTGGA	CACTTTGGTC	60
	ACTITIGAAG CATGITAATA					101
5						
0	SEQ ID NO:1745					
•	SEQUENCE LENGTH: 100					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	acra				
10	CLONE: HUMGS01963					
	SEQUENCE DESCRIPTION:					
	GATCCAAGTT TGAAAACAAT	<b>ተተተ ነ</b> ርርር ተ ነ ር	TACATATGAA	CAACATOTTO	ለ ጥጥ ለ ምርጥ ለ <b>ር</b> ጥ	60
				CAACAICIIU	ATTAIGIAGE	100
	TGAAGGAAAT TAAAGATGAA	IGGIIIAAII	AAAAIIAAA			100
15	ano (n No 1646					
	SEQ ID NO:1746					
	SEQUENCE LENGTH: 99					
	SEQUENCE TYPE:nucleic	acid				
20	TOPOLOGY: linear					
	CLONE: HUMGS01964					
•	SEQUENCE DESCRIPTION:					
	GATCAAATTA AATAATTCAA			TTTTTTTTT	AGTATTATTT	
	AGCAAAANCA ATAAAACCCA	AATTTTTTA	ACCATCAAA			99
25						
	SEQ ID NO:1747					
	SEQUENCE LENGTH: 97					
	SEQUENCE TYPE: nucleic	acid				
30	TOPOLOGY:linear					
30	CLONE: HUMGS01965					
	SEQUENCE DESCRIPTION:					
	GATCACTTCA AGCAAGCCCC	CATGATGGTT	CTCAGTCCTG	CTTCTCTGTG	GGTACGTGCC	60
	CCTCTGTTTA AAAATAAACT	GAATATGGAT	GTTTAAA			97
35						
	SEQ ID NO:1748					
	SEQUENCE LENGTH: 100					
	SEQUENCE TYPE: nucleic	acid	·			
	TOPOLOGY: linear					
40	CLONE: HUMGS01966					
	SEQUENCE DESCRIPTION:					
	GATCAAAATG AAAACCTGTT	GATGTGAATT	CAGTTATTGA	ACTTGTTACT	TGTTTTTGCC	60
	AGAAATGTTA TTAATAAATG	TCAATGTGGG	AGATAATAAA			100
45						
	SEQ ID NO:1749					
	SEQUENCE LENGTH: 95					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
50	CLONE: HUMGSO1967					

	SEQUENCE DESCRIPTION:					
	GATCTGATGT TCCTTTTATT	TATAACAATG	TTAAATGCAA	TTGTCTTGTA	CCTTGAGTTG	60
	AGTATTACAC ATTAAAGTAA					95
5						
	SEQ ID NO:1750					
	SEQUENCE LENGTH: 94					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
10	CLONE: HUMGS01968					
	SEQUENCE DESCRIPTION:					
	GATCCAGAAG TAAATGTATC	TNCAAGCTGA	TTTAAATTGT	AGATTTNNTC	TTCATTGCAT	60
	ATTTNCTGAT GTTGAATAAA	GTCTGAGTAT	TAAA			94
15						
	SEQ ID NO:1751					
	SEQUENCE LENGTH: 89					
	SEQUENCE TYPE:nucleic	acid			:	
20	TOPOLOGY: linear					
20	CLONE: HUMGS01969					
	SEQUENCE DESCRIPTION:					
•	GATCCAAAGT ATATTTTAC	TGAGAATATA	TCTGAAAAA	TTTGAATTGA	GATTAAATTT	60
	TTAAATGAAA TATATTTACT	TTTTTTAAA				89
25						
	SEQ ID NO:1752					
	SEQUENCE LENGTH: 89					
	SEQUENCE TYPE: nucleic	acid				
30	TOPOLOGY: linear					
	CLONE: HUMGS01970					
	SEQUENCE DESCRIPTION:					
	GATCCTGGCC CCTCAACCTC		CAGCAGTTCT	GTTATATCCC	CTGCTACCCT	60
	AGATGAATTA AGACGGTTAA	ATACTGAAA				89
35	SEO ID NO. 1770					
	SEQ ID NO:1753					
	SEQUENCE LENGTH: 89					
	SEQUENCE TYPE:nucleic	acid				
40	TOPOLOGY:linear CLONE:HUMGS01972					
	SEQUENCE DESCRIPTION:					
	GATCTGTCTT GCTTATTGTT	CCCCCCTCCC	NCTACCACAA	TTCTCACACA:	CAATTGGAAC	60
	TTACTAAAAA TTTNTTTTTA		HCTAUCACAA	ITCTUACACA	CAATIUUAAC	89
45	IIACIAAAA IIIMIIIIIA	CIGITIAAA				03
70	SEQ ID NO:1754					
	SEQUENCE LENGTH: 87					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
50	CLONE · HUMGSO1973					

	SEQUENCE DESCRIPTION: GATCATATGG TAGTTTTGTT AAAATAAAAT ATTTCTTTAA		AAGGGTACTA	GCATCTACAA	TNATATAGAC	60 87
5	SEQ ID NO:1755 SEQUENCE LENGTH:85					
	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
10	CLONE: HUMGS01974 SEQUENCE DESCRIPTION:					
	GATCTGTTTT CTCTAAAATC AGTAAAACGT TTTGGCCCTG		GTCTGTATAT	GGTTGTAAAT	NCAAATGGAA	60 85
15						
	SEQ ID NO:1756					
	SEQUENCE LENGTH:88					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
20	CLONE: HUMGS01975					
	SEQUENCE DESCRIPTION:					
	GATCCTGCTG GAAACCACGG	CAACCTGTAT	CCACTATTAG	GAGGTAAAAA	TCAATAAAAT	60
	GGCCCATTCA TTTGTGTTGT	AGCTCAAA				88
25						
	SEQ ID NO:1757					
	SEQUENCE LENGTH:84					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
30	CLONE: HUMGS01976					
	SEQUENCE DESCRIPTION:					
	GATCTACAAC ATATAAAATT	GTGTATTTTC	NTTTGGTTGT	CCCTATTAAC	AAAAAGTAT	60
	TTNAATAAAA ANTTGAAATG	NAAA				84
35						
	SEQ ID NO:1758					
	SEQUENCE LENGTH: 82					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
40	CLONE: HUMGS01977			·		
	SEQUENCE DESCRIPTION:					
	GATCCCACTG TAAAATTGGA	AATGGGCAGT	TCTGAATTTT	CACGTTTGAA	ATGTAAAATA	60
	TAAACTTCAG TCAATATCCA	AA				82
45						
	SEQ ID NO:1759			·		
	SEQUENCE LENGTH: 82					
	SEQUENCE TYPE:nucleic	acid				
50	TOPOLOGY: linear					
50	CI ONE · HIMCSO1078					

	SEQUENCE DESCRIPTION:					
	GATCTGGACG TTCACGTGCA	CTCTCTTCCT	GTACAGTATT	TATTGTTCCT	GGCACTTTAT	60
	TTAAAGATAT TTGACCCTCA	AA			•	82
5						
	SEQ ID NO:1760					
	SEQUENCE LENGTH: 81					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
10	CLONE: HUMGS01979					
	SEQUENCE DESCRIPTION:					
	GATCCTTACT CCTGCATTGT	TCTTTGCCAG	NGNCCTATTT	AAAAATTTTA	AAATTCTCAT	60
	TAAAGTCAGC TTGGGTTTAA	A				81
15						
	SEQ ID NO:1761					
	SEQUENCE LENGTH: 79					
*	SEQUENCE TYPE:nucleic	acid				
20 -	TOPOLOGY: linear		•			
20	CLONE: HUMGS01981					
	SEQUENCE DESCRIPTION:					
	GATCTAAAGA GAAAAGGGAG	AAGAGGGAAA	AAGGAAACAA	AGGAGAAGAA	AGAGGGAAAG	60
	GAAAAAAAG AAAAAGAAA					79
25						
	SEQ ID NO:1762					
	SEQUENCE LENGTH: 79					
	SEQUENCE TYPE:nucleic	acid				
30	TOPOLOGY: linear					
-	CLONE: HUMGS01982					
	SEQUENCE DESCRIPTION:		#10000110T	+ CCCTCTTCT	1.C.1.C.CT.1.CTT	en
	GATCATGAAA GGTGATAAGC	TUTTUTATGA	TAGGGGAAGT	AGCGICIIGI	AUACCIACII	60 79
	GCGCTGTTGT ACTCTGAAA					13
35	CEO ID NO. 1762					
	SEQ ID NO:1763 SEQUENCE LENGTH:80					
	SEQUENCE TYPE:nucleic	anid				
	TOPOLOGY: linear	aciu				
40	CLONE: HUMGS01983					
	SEQUENCE DESCRIPTION:					
	GATCAAATAT TTTGCCTTTN	ACTNALATCA	GCCAGCCCAT	NACCCCCAAT	AAAGGGCAGC	60
	TGCCTCTGCT CCCTCTGAAA			moodoonsii		80
45	Idoololdel occioidana					-
45	SEQ ID NO:1764					
	SEQUENCE LENGTH: 79					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
50	CLONE: HUMGS01984					

GATCAAATTT CTTAAAGCAA ACAACAAAAA TGTACATTTC TGTTTTTCCT TTTAATAAAC AGGTGTACTC TTTATCAAA   S SEQ ID NO:1765 SEQUENCE LENGTH:78 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01985 SEQUENCE DESCRIPTION: GATCTAGTGT CCTTTTTGTA CACTAAACAG GTGAATGCTG ACTTTTTCA TTCTCCAATA AATNTCACTG AACTGAAA	60 79 60 78
AGGTGTACTC TTTATCAAA  5  SEQ ID NO:1765 SEQUENCE LENGTH:78 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01985 SEQUENCE DESCRIPTION: GATCTAGTGT CCTTTTTGTA CACTAAACAG GTGAATGCTG ACTTTTTCA TTCTCCAATA	79
SEQ ID NO:1765 SEQUENCE LENGTH:78 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01985 SEQUENCE DESCRIPTION: GATCTAGTGT CCTTTTTGTA CACTAAACAG GTGAATGCTG ACTTTTTCA TTCTCCAATA	60
SEQ ID NO:1765  SEQUENCE LENGTH:78  SEQUENCE TYPE:nucleic acid  TOPOLOGY:linear  CLONE:HUMGS01985  SEQUENCE DESCRIPTION:  GATCTAGTGT CCTTTTTGTA CACTAAACAG GTGAATGCTG ACTTTTTCA TTCTCCAATA	
SEQUENCE LENGTH:78  SEQUENCE TYPE:nucleic acid  TOPOLOGY:linear  CLONE:HUMGS01985  SEQUENCE DESCRIPTION: GATCTAGTGT CCTTTTTGTA CACTAAACAG GTGAATGCTG ACTTTTTCA TTCTCCAATA	
SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01985 SEQUENCE DESCRIPTION: GATCTAGTGT CCTTTTTGTA CACTAAACAG GTGAATGCTG ACTTTTTCA TTCTCCAATA	
TOPOLOGY:linear CLONE:HUMGS01985 SEQUENCE DESCRIPTION: GATCTAGTGT CCTTTTTGTA CACTAAACAG GTGAATGCTG ACTTTTTCA TTCTCCAATA	
CLONE:HUMGSO1985 SEQUENCE DESCRIPTION: GATCTAGTGT CCTTTTTGTA CACTAAACAG GTGAATGCTG ACTTTTTTCA TTCTCCAATA	
SEQUENCE DESCRIPTION: GATCTAGTGT CCTTTTTGTA CACTAAACAG GTGAATGCTG ACTTTTTTCA TTCTCCAATA	
GATCTAGTGT CCTTTTTGTA CACTAAACAG GTGAATGCTG ACTTTTTTCA TTCTCCAATA	
ANTITORIU ARGUMAN	10
17	
15 SEQ ID NO:1766	
SEQUENCE LENGTH: 75	
SEQUENCE TYPE:nucleic acid	
TOPOLOGY: linear	
CLONE: HUMGS01986	
SEQUENCE DESCRIPTION:	
GATCTTTGTT TAGTTTCAAG TCTTTTTATA ACTAAATCTG CTGGCATTAG ACAATAAATA	60
CATTITCAAA ATAAA	75
	13
25 SEQ ID NO:1767	
SEQUENCE LENGTH: 75	
SEQUENCE TYPE:nucleic acid	
TOPOLOGY: linear	
CLONE: HUMGS01987	
SEQUENCE DESCRIPTION:	
GATCATATAT ACTTGCATAA TATCATCCCT TCCCTTGATT TCTTTCAATC TAAAAATAAA	60
TATGAGAAAA ACAAA	75
35	, 0
SEQ ID NO:1768	
SEQUENCE LENGTH: 78	
SEQUENCE TYPE: nucleic acid	
TOPOLOGY: linear	
40 CLONE: HUMGSO1988	
SEQUENCE DESCRIPTION:	
GATCGATATT AATGTATCCA ATGAAATAAT CGACTTGTNC TTGATAGCCT CATTAAAGCA	60
TTTGGTTTTN CACATAAA	78
45	
SEQ ID NO:1769	
SEQUENCE LENGTH:74	
SEQUENCE TYPE:nucleic acid	
TOPOLOGY:linear	
50 CLONE: HUNGS01989	

·	SEQUENCE DESCRIPTION: GATCTGAGCC CCCAAGATGG AGAATGGGGA GGAGCTTTTT ATGGCGGACT GATTAAAACT CTTAAGCATT TAAA	60 74
5	SEQ ID NO:1770 Sequence Length:72	
	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
10	CLONE: HUMGS01990 SEQUENCE DESCRIPTION:	
	GATCTGCTTG GCCTTGATAA GCTATGTTGT TGCACTTTAA ACATTTAAAT TATACAATCA TCAACCCCCA AA	60 72
15		
	SEQ ID NO:1771 SEQUENCE LENGTH:69	
	SEQUENCE TYPE: nucleic acid	
20	TOPOLOGY: linear	
	CLONE: HUNGS01991	
	SEQUENCE DESCRIPTION: GATCCTCCCC TTCAAATGAC TGTAATTAAC AACACTTAAA AAACTTGAAT AAAATATTGA	60
	AACCTCAAA	69
25		
	SEQ ID NO:1772	
	SEQUENCE LENGTH: 68	
	SEQUENCE TYPE:nucleic acid	
30	TOPOLOGY: linear	
	CLONE: HUMGS01992	
	SEQUENCE DESCRIPTION:	60
	GATCTATTCT GAAGCTGTTC ATTTTTAACA AATAAAATGT TACAGGTTTC ACATGATTTA TTCTCAAA	68
00	ITOTONA	00
35	SEQ ID NO:1773	
	SEQUENCE LENGTH: 66	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
40	CLONE: HUMGS01994	
	SEQUENCE DESCRIPTION:	
	GATCCGTAAC TNCGGGATAA GGATTGGCTC TAAGGGCTGG AGAAGGAATG AATAAAAAAA	60
	AAGAAA	66
45		
	SEQ ID NO:1774	
	SEQUENCE LENGTH: 67	
	SEQUENCE TYPE:nucleic acid	
50	TOPOLOGY: linear	
	CLONE: HUMGS01995	

	SEQUENCE DESCRIPTION:					
	GATCCCATGT CTCTGCCAGG	ACCAAGGCNG	ATGTTTCCCC	ACTAATAAAG	TGCCGGGTGT	60
	CAGCAAA					67
5	0F0 ID NO. 1 <i>00</i> F			4		
	SEQ ID NO:1775 SEQUENCE LENGTH:65					
	SEQUENCE TYPE:nucleic	anid				
	TOPOLOGY: linear	aciu				
10	CLONE: HUMGSO1996					
	SEQUENCE DESCRIPTION:					
	GATCCTTTTT AATACCACAG	CATTTGTACT	GTTCCTTTTT	AATATACTGA	AAATATAAAA	60
	GGAAA					65
15						
	SEQ ID NO:1776					
	SEQUENCE LENGTH: 71					
	SEQUENCE TYPE: nucleic	acid				
20	TOPOLOGY:linear					
20	CLONE: HUMGS01997					
	SEQUENCE DESCRIPTION:					
	GATCCGATTA TTTCTGCCAG	TNTATTTTGG	NCACTTTATA	ATCATTAAAG	CACTTTCTTG	60
	GCAGGCNCAA A					71
25	SEQ ID NO:1777					
	SEQUENCE LENGTH: 72					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	4014				
30	CLONE: HUMGSO1998					
	SEQUENCE DESCRIPTION:					
	GATCTTACAA TAATGTTCCA	CTCTGCAAAT	TTTTAAGGTT	CAAATAAAGT	TTAATTGTTT	60
	GCAAACTGTA AA					72
35	680 Ib No 1650					
	SEQ ID NO:1778					
	SEQUENCE LENGTH: 65 SEQUENCE TYPE: nucleic					
	TOPOLOGY: linear	aciu				
40	CLONE: HUMGSO1999					
	SEQUENCE DESCRIPTION:	•				
	GATCATTGCA CCATGTCAGA	CTTTTGTATA	TNCCTTGAAA	ATAAATGAAA	GTNAGAATCN	60
	TCAAA					65
45						
	SEQ ID NO:1779					
	SEQUENCE LENGTH: 62					
	SEQUENCE TYPE:nucleic	acid				
50	TOPOLOGY: linear					
50	CLONE: HUMGS02000					

5	SEQUENCE DESCRIPTION: GATCCTGTCC TGATTCTCAA AAATTATTTT CTCTGTATGA TTAAAAGTTT ATTCCATTTA AA	60
	SEQ ID NO:1780 SEQUENCE LENGTH:66 SEQUENCE TYPE:nucleic acid	
10	TOPOLOGY:linear CLONE:HUMGS02001 SEQUENCE DESCRIPTION:	
15	GATCCCTTCA TTTGAATATT AATGGCTTTT TCCATTAAAG AATAAAATAT TTTGGACAAT GCCAAA	60 66
	SEQ ID NO:1781 SEQUENCE LENGTH:68 SEQUENCE TYPE:nucleic acid	
20	TOPOLOGY:linear CLONE:HUMGS02002 SEQUENCE DESCRIPTION:	
25	GATCAAATTT ATAAGTTATT ATTTTTAATT TTCTAAATTA AATAAAAGAA AGAATGCAAA CCAGGAAA	60 68
	SEQ ID NO:1782 SEQUENCE LENGTH:59 SEQUENCE TYPE:nucleic acid	
30	TOPOLOGY:linear CLONE:HUMGS02003 SEQUENCE DESCRIPTION: GATCAATAAA GAGTAATTTC TTGCTAAATA AATAAAAGAA ACCTTGTTGA AAAACTAAA	59
35	SEQ ID NO:1783 SEQUENCE LENGTH:59	00
40	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02005 SEQUENCE DESCRIPTION: GATCTGAATN ATGCACCCCA CCCCCACCCC AATAAAGAAA TAACAGAAAA CCCTCGAAA	
45	SEQ ID NO:1784 SEQUENCE LENGTH:58	59
	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02006	
50	SEQUENCE DESCRIPTION:	58

	5	SEQ ID NO:1785  SEQUENCE LENGTH:59  SEQUENCE TYPE:nucleic acid  TOPOLOGY:linear  CLONE:HUMGS02007  SEQUENCE DESCRIPTION:  GATCTCAGTT GTAAATAGAA AAATCTAATT CAATAAACTC TGTATCAGCC CCCAACAAA	59
	10	SEQ ID NO:1786 SEQUENCE LENGTH:52	
	15	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02010 SEQUENCE DESCRIPTION:	
		GATCCAAAGT CATGTGTCCA CACATTCATA AATAAAAATT TTACCTATGA AA	52
	20	SEQ ID NO:1787 SEQUENCE LENGTH:51 SEQUENCE TYPE:nucleic acid	
	25	TOPOLOGY:linear CLONE:HUMGS02011 SEQUENCE DESCRIPTION:	
		GATCCAGTGA AGCCAGAAGC CAAATAAACT CAAAAGCTGT CTCCCCACAA A	51
;		SEQ ID NO:1788 SEQUENCE LENGTH:54 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02012	
	35	SEQUENCE DESCRIPTION:	
•	55	GATCCTAATT TATGCCTATG CAAAAAATAA ATAACGCCCA AGAGCTGTGG GAAA	54
4	10	SEQ ID NO:1789 SEQUENCE LENGTH:53 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
		CLONE: HUMGSO2013 SEQUENCE DESCRIPTION: GATCGCCTAG TATGTTCTGT GAACACAAAT AAAATTGATT TACTGTCTGC AAA	<b>5</b> 2
4	5		53
		SEQ ID NO:1790 SEQUENCE LENGTH:58 SEQUENCE TYPE:nucleic acid	
. 5	o	TOPOLOGY: linear	
-		•	

	CLONE: HUNGS02025	
	SEQUENCE DESCRIPTION:	
	GATCCGTAGT AATAAATTCT CAGAGGACTC AGCCTTTCCT GCGGGTCTGG AGCTCAAA 58	3
5		
	SEQ ID NO:1791	
	SEQUENCE LENGTH: 597	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
10	CLONE: HUMGS02039	
	SEQUENCE DESCRIPTION:	
	GATCAGAGTC TCTTGGGCAT TTTATATTTT GCATTCTGAT GTACCTAGGA GTTTTGTTAA 60	i
	ACAGATGATG TATGTNAGTA TTTATCCCAT TTTATGCAAT TAACCAAATC AACCAAAAAA 120	
15	AGTGACCATG AAGTCCTGTA TTTGTNTTTT TACTACATGT AGGAACTCTC ATGTGAATGA 180	
	GTACTGTAGT AATCCATTCT ATGGGAGCCT TATTTCAGAA ATATTTCAAA CTGGTGCAAA 240	
	TGGAAAAGAC TTTCTCTTTT CCTTTAAAGC TAAAGACAAG AATATCATGC TATACAGGTG 300	
	CAACTCAATC CCCGTTAATA AAAACCAATG TAGGTATAGG CATTCTACCC TTTGAAATAG 360	
	CTGTGTCCCA ACCTGTTGCC ATTGATTTTT TGGGAATGGC TTTAGGAAAT ATCCAAGTTG 420	
20	TCCTTGGAAT TGTCTAACCA TGGNCATAAA CAGTTGTCTC CCTTCTACTT GTGTAGAATA 480	
	CTTTGGNCTT AATTTCCTN CCAGATACAG GGGGGTACCT GCCTGTTTTT CNAAGGGTTT 540	
	ATTACTGGNG GTACCATTTG GTAGGATTGT TTTAAATAAA AAAACCTGGT TTTTAAA 597	
	•	
25	SEQ ID NO:1792	
	SEQUENCE LENGTH: 518	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUNGS02040	
30	SEQUENCE DESCRIPTION:	
	GATCCAAAAC TGGACCCTTG GAGCCGTCGA CTCACAGATG GATGACATGG ACATGGACTT 60	
	AGACAAGGAA AAAANNCAGG ACTTGAAGGA GCTCAAGGTG CTAGTGGCTG ACAAGGACCT 120	
•	TCTGGACCTG CACAAGAGCC TGGTGTGCAC TGCTCTCCGG GGAAAGCTGG GCGTCTTCTC 180	
35	TGAGATGGAA GCCAACTTCA AGAACCTGTC CCGGGGGCTG GTGAACGTGG CCGCCAAGCT 240	
	GACCCACAAT AANGATGTCA GAGACCTGTT TGTGGACCTC GTGGAGAAGT TTGTGGAACC 300	
	CTGCCGCTCC GACCACTGGC CACTCAGCGA CGTGCGGTTC TTCCTGAATC AGTATTCAGC 360	
	GTCTGTCCAC TCCCTCGATG GCTTCCGACA ACAAGGCCCT CTGGGACCGC TACATGGGCA 420	
	CCNTTCCGNG GCTGNCTNCT GCGGCCTGTN ATCATGACTG AGGTGGCCTN CCAAANGTTN 480	
40	CGCCCAAGGT TGACAATAAA GTTGCTCTGA GTTTGAAA 518	
	SEQ ID NO:1793	
	SEQUENCE LENGTH:513	
45	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS02041	
	SEQUENCE DESCRIPTION:	
	GATCTGTAAT TTTAATTTTC ACCCTCTGTA CCCCATGACC TTATCCTTCC TCTCCTTCCT 60	
50	TGTTACCCAT GAAAAACTGG CAACATTCCA AGAATAGCAT CTGTACAAAG GGGAAAGAAC 120	

				TGAGAACAAA			
	GGAATCACAT	CTTTTAAGAC	AAATTCATAT	TCTTTTATTT	GTTATGGCAG	ATGACAAGAT	240
	GGTACAACCT	TTATTCTTTT	NCAAAATAAA	ACAAAGGGCA	CAGCATCTGT	AGTCAGCCGA	300
5	CAACTATTNC	GGCCTTTTGG	GGGTNGGTCT	NGCCGTACTT	GTGATTTCGA	TGGTACGTGA	360
	CCNTNTTCTG	GAAGGCTTGC	CCCNTTGCCC	GTGTACATAG	GTGCATTGGT	TNCTNTGGGA	420
	GGGGCCCAAG	NACTTTTNGG	CNANNGTTGT	ACTGGTATTG	TNATGAAATT	TNCGGTTGGN	480
	CCTCTTGNNA	NTTTTTTNTG	CANGAANGNN	GGN			513
10							
,,	SEQ ID NO:1	794					
	SEQUENCE LE	NGTH: 499					
	SEQUENCE TY		acid				
	TOPOLOGY: li						
15	CLONE: HUMGS	02042					
	SEQUENCE DE		•				
	GATCTCTTAA		ACTCATGTAT	GTCACCCGAC	TTCGCAACAC	TGGGGTTCAG	60
	GTGACTCATA						120
						ATAGTAAAAC	
20						TGCATTAGAA	
						TTAAATAGGC	
						ATTGTCTATC	
						TGTACATNCC	
25						GGGNTTAAAT	
	GGTGGGGCCA		0.1011.110001				499
	4414444						
	SEQ ID NO:1	795					
	SEQUENCE LE						
30	SEQUENCE TY		acid				
	TOPOLOGY: 1i		4014				
	CLONE: HUMGS						
	SEQUENCE DE						
35			GCACTTCCTG	GGCCGCGTGG	CAACCGCTG	NGCACAGCAT	60
						TTTGAAANAA	
						AGTCTCCCAC	
						GGTCTAAGTG	
						CAGTTTGCTG	
40	· <del>-</del>					CGGGACTACT	
						TTNCCTTTTT	
						TGCATTTGNC	
	AAA						483
45							
,0	SEQ ID NO:1	796					
	SEQUENCE LE						
	SEQUENCE TY		acid				
	TOPOLOGY: 1 i						
50	CLONE: HUMGS						

	SEQUENCE DESCRIPTION	l:				
	GATCCAAAAC GCTTCGAGO	C ACCCCAAATT	ACCTGCCCAT	TCGTCAGGAC	ACCCACCCAC	60
	CCAGTGTTAT ATTCTGCCT	C GCCGGAGTGG	GTGTTCCCGG	GGGCACTTGC	CGACCAGCCC	120
5	CTTGCGTCCC CAGGTNNN	A GCTCTCCCCT	GGGCCACTAA	CCATCCTGGC	CCGGGCTGCC	180
	TNGTCTGACC TCCGTGCC1	A GTCGTGGCTC	TCCATCTTGT	CTCCTCCCCG	TGTCCCCAAT	240
	GTCTTCAGTG GGGGGCCCC	C TCTTGGGTCC	CNTCCTCTGN	CATCANCTGA	AGACCCCCAC	300
	GGCAAACACT GAATGTCAC					
	CTAAACTTNA ACTTCTTTT	A ACGGTAATAT	TTCCGGCAAA	AATCCAATGG	TTTGGGTTTT	420
10	GGTCTTTTAA CNTTGTAAA	C GGTTGCAAAT	CCAAATAAAA	GCAATTAAAA	AGTCAATGAA	480
	A .					481
	SEQ ID NO:1797					
15	SEQUENCE LENGTH: 462					
	SEQUENCE TYPE: nuclei	c acid				
	TOPOLOGY:linear					
	CLONE: HUMGS 02045					
	SEQUENCE DESCRIPTION	:		•		
20	GATCTAAAAG GGTTTTCTT	A GAAAGGGCAA	TATTGTCCAA	TGAAGTAAGC	AGAAGGACTC	60
	TGGGTTAGAA GCATCTGCA	C AAAAACTGGT	GAGACCTACT	CTCCACTGCT	CTGCAGCTGG	120
	ATGGCTGATG GCAGGCTGA	G CAGTGGGGAA	GCAGGTTTTA	ACAACAGGGA	GTCCTTCCAG	180
	GTCACTGTAT ATTGNGAAG	A AACATAAAAC	TATTGTCTGT	TACATTCCGA	GGTCAGCCTT	240
25	CTNCTTAACG TTTTATAAT	A TGCAAATNCC	AGCTTCTGGA	AAGCANGTAT	CATCATGTAC	300
	CAAATGCTTT ATACACCAT	C ACATTCATGA	NTTTTTNAGC	ATGGTCAGAN	CTTGTGTAAA	360
	TATGTCTCTT AGGATGATT	T TGGGGGAGGA	TGTGATTTAT	TTTCCATAAT	TTCCAAANTN	420
	GCATTTTCCA TTTCAAAAT	A AGGNTAATCT	NTTGGGGCCA	AA		462
30						
30	SEQ ID NO:1798					
	SEQUENCE LENGTH: 448					
	SEQUENCE TYPE:nuclei	c acid				
	TOPOLOGY:linear					
35	CLONE: HUMGS02046					
	SEQUENCE DESCRIPTION	-				
	GATCAGCCTG CAGCCATCC					60
	CATCTCCCCC AGCCCACTT					
40	GGGCCCTTGG NNNCTCTTC					
	AGCTGGGGCC AGCAGGTTC					
	TGTCCTGTCC CTTCACCAG					
	ACAGTTCACA TTCCACTGC					
	CGGGAGCCAA AGACCCNAG		GGATTAGGGT	NGGGGAGGNT	TGGNAGCGCT	
45	NTTTTTATAA ATATTATAC	A TAAGGAAA				448
	CEO ID NO.1700					
	SEQ ID NO:1799					
	SEQUENCE LENGTH: 448					
50	SEQUENCE TYPE: nuclei	c acid				
	TOPOLOGY:linear					

	CLONE: HUNGS02047
	SEQUENCE DESCRIPTION:
	GATCTGGTTG GTGGATGAAC AAGTGTCACG CTGGCCATCT CAATGGNGTT TATTACCAAG 6
5	GTGGCACTTA CTCAAAAGCA TCTACTCCTA ATGGTTATGA TAATGGCATT ATTTGGGCCA 12
	CTTGGAAAAC CCGGTGGTAT TCCATGAAGA AAACCACTAT GAAGATAATC CCATTCANCA 18
	GACTCACAAT TGGAGAAGGA CAGCAACACC ACCTGGGGGG AGCCAAACAG GCTGGAGACG 24
	TTTAAAAGAC CGTTTCAAAA GAGATTTACT TTTTTAAAGG ACTTTATCTG AACAGAGAGA 30
10	TATAATATT TTCCTATTGG ACAATGGACT TGCAAAGCTT CACTTCATTT NNNNGAGCAA 36
	AAGACCCCAT GTTGGAAAAC TCCATACCAG TTTTATGCTG ATTGATAATT TATCTACATG 42
	CATTTCAATA AACCTTTTGT TTCCTAAA 44
	SEQ ID NO:1800
15	SEQUENCE LENGTH: 432
	SEQUENCE TYPE:nucleic acid
	TOPOLOGY: linear
	CLONE: HUNGS02048
20	SEQUENCE DESCRIPTION:
20	GATCTGAATT ATCTGGCACC CTCCTGAATG GAACCCCAGA GTACCTCCTG TGTGGAAGGG 60
	TCCTGGATTT TCCCTAACAC CCACCCTCTC CCCCTTCAGC CATGCTGATG GCAGAGAAGA 120
	TAAGAACTTG GAGCCCATTT CTCACTGGAG AGGAAAACTT GTCATCTGGC TTTGCGGAGA 180
	AGGTTCCACC TTACGCTCGT AGTACATTAT CTTTACTATG TGCTAGGATA TCATATTTAA 240
25	AAGGACAAAA AAATGTAAAA TACTTGAATG AGCTTGTATT ATANCATTAA TATTATNNNG 300
	NGTATCTGCT TTCCAGGCTG AAGTGATTCA TTCATTATTC TAGTCCTGCT TTAGTCCTTT 360
	GTAATTTGTG GTAATTATGC TTTTCTTTTT AATACAAAAA AATGTATAAA ATTAAACACT 420
	TGAAAAGGCA AA 432
30	SEQ ID NO:1801
	SEQUENCE LENGTH: 430
	SEQUENCE TYPE:nucleic acid
	TOPOLOGY: linear
35	CLONE: HUNGS02049
	SEQUENCE DESCRIPTION:
	GATCCGNGCG AGGGCAACAG CGGNTCACCT ACAGCGCACT GTCGATGGCT GCACGAGTCA 60
	CACCGGAGCC TGGGGCAAGA CAGTGATTGA ATACAAAACC ACCAAGACCT CCCGCCTGCC 120
	CATCATCGAT GTGGCCCCCT TGGACGTTGG TGCCCCAGAC CAGGAATTCG GCTTCGACGT 180
40	TGGCCCTGTC TGCTTCCTGT AAACTCCCTC CATCCCAACC TGGCTCCCTN CNACCCAACC 240
	AACTTTNCCC CCAACCNGGG AAACAGACAA GCAACCCAAA CTGAACCNNN TCAAAAGCCA 300
	AAAANTNGGG AGACAATTTC ACATGGACTT TGGAAAAATA TTNTTTTCCT TTGCATTCAT 360
	NTNTCAANCT TAGTNTTNTA TCTTTGANCA ACCGGANCAT GGCCAAAAAN CAAAAGGTGC 420
45	ATTCANCCTN 430
	SEQ ID NO:1802
	SEQUENCE LENGTH: 428
	SEQUENCE TYPE: nucleic acid

55

TOPOLOGY:linear

	CLONE: HUMGS02050					
	SEQUENCE DESCRIPTION					
	GATCCCAAGG GAAAGATGA					
5	GTGTGCATGA AAAGGATTC					
	TATTTGGTTT GAGAAACAG					
	CTCATAATGT TGATATAAT AAAGACCTTA AGCTGGCAT					
	TTGTATTTAA TGAAATGCA					
10	TCCTGTTAAT AGAGAGATG					
	AAAATAAN	1 ACAGAMICG1	1111001	411110114411		428
	in and it is a second of the s					
	SEQ ID NO:1803					
15	SEQUENCE LENGTH: 401					
	SEQUENCE TYPE: nuclei	c acid				
	TOPOLOGY: linear					
	CLONE: HUMGS02051					
20	SEQUENCE DESCRIPTION			m . m . cmcm . c	ምምር <u>ነ</u> ምምር ነ ምር	60
	GATCAAAACC AAACTGTTC					
	TTACACTTTT TTCTACTCC					
	TTACAAAACA ATATTATGA					
25	GGCCTTAAAA AATAGATTI					
25	GTGTTCCTTA TAGTAGTTT					
	TGCTTTTGTA ATGNGGGAA					401
00	SEQ ID NO:1804					
30	SEQUENCE LENGTH: 396					
	SEQUENCE TYPE: nuclei	c acid				
	TOPOLOGY: linear					
	CLONE: HUMGS02052	1.				
35	SEQUENCE DESCRIPTION GATCCGGCTG CAAAATTCA			AĞATACAAAG	TCTTATAGAC	60
	ATCCGGAAAA AAGATTTT					
	AGTTTACAAT GTATTGTA					
	ATATAAGAAA CTGGTACT					
40	ACTATATTTA AAGCCAGC					
	CAATATTTTA AATGTCCG	A TAATATTCT	GAGGTTTAAA	AAATGGAAAT	ATTTGANCTT	
	TCTATTGAAG ACAATAAA	G TACACAAGT	GTTAAA			396
	0PA IN NO. 1005					
45	SEQ ID NO:1805 SEQUENCE LENGTH:392					
	SEQUENCE TYPE: nucle	ic acid				
	TOPOLOGY: linear					
	CLONE: HUMGS02053					
50	SEQUENCE DESCRIPTIO	N:				

	GATCAAGAGC AGTGCTTCTC	CATTTGTTTT	GCAGAGAAAT	GTTTTTCATT	TCCCGTGTGT	60
	TTCCATTTCC TTCTGAAATT	CTGATTTTAT	CCATTTTTTT	AAGGCTCCTC	CCCATCTCCT	120
5	TTCTTAAGGC ACTGTTGCTA	TGGCACTTTT	CTATAACCTT	TTCATTCCTG	TGTACAGTAG	180
	CTTAAAATTG CAGTGATTGA	GCATAACCTA	CTTGTTTGTA	TAAATTATTG	AAATCCATTT	240
	GCACCCTGTA AGAATGGACT	TAAAAGTACT	GCTGGACAGG	CATGTGTGCT	CAAAGTACAT	300
	TGATTGCTCA AATATAAGGA	AATGGCCCAA	TGAACGTGGT	TGTGGGAGGG	GAAAGAGGAA	360
	ACAGAGCTAG TCAGATGTGA	ATTGTATCTG	TN			392
10						
	SEQ ID NO:1806					
	SEQUENCE LENGTH: 389					
	SEQUENCE TYPE: nucleic	acid				
15	TOPOLOGY:linear					
13	CLONE: HUMGS02054					
	SEQUENCE DESCRIPTION:					
	GATCCTATTT GGTATGTTTT	TGTCCACTGT	TATGATTCAT	CATGTATCTT	ACAAGAGCCA	60
	CTCAAGCAAG ACTCTGCTTC	TATGTATGGT	GAGGCCTTGT	TGTTCTAGGC	TAGAATAAAC	120
20	TCTTTGTATG CCTCAGTGAA	TATGCCAGGT	AAAATATATG	CAGTCAAGAA	TGAATTATTT	180
	TTCTGACTAA AGTGTGTAGC	AGTAAGTTCA	AAATNGTGCC	CTTGTTTTAA	CAGTTTCTGT	240
	CAACATCTTC TCATTTTTCC	CTACAAAAC	ACCAGGGTGT	ATTATAAGTA	CTGCCTGTGA	300
	GAATTTGCAC TTTATGTATT	TGTGTGTGGG	ATTTCTTGTG	GTTTTAGCCA	AATGAAGTGT	360
25	TATCHNTAAT AACCAGGTCT	CTTCATAAA				389
	SEQ ID NO:1807					
	SEQUENCE LENGTH: 388					
30	SEQUENCE TYPE:nucleic	acid				
30	TOPOLOGY: linear					
	CLONE: HUMGS02055					
	SEQUENCE DESCRIPTION:	****	0000000000	TT.T.T.CCT	CCCTTTT1CT	60
	GATCCAATTG ATGTATATGT					60
35	TTATTAATAT GAGTTACTGA TACTGCATGT AAGCCAAGTC					
	'					
	CTACCACCGA ATCCCTAGTC CTAAGTTATT TACTTTTACC					
	TCACTTTGAA AAATGAGAAT					
40	TGGGTTAATA AAACAATACT		AAGCCAGIII	ICATITIO	IIIdiddili	388
40	IUUUIIAAIA AAACAAIACI	CAAATAAA				300
	SEQ ID NO:1808					
	SEQUENCE LENGTH: 379					
45	SEQUENCE TYPE:nucleic	acid				
45	TOPOLOGY:linear					
	CLONE: HUMGS02056					
	SEQUENCE DESCRIPTION:					
	GATCTTTTCC ACCAGCACCC					
50	ACCATAGCCC TCCCAGGGCT					
	TGGGAGTGAG TAGCTCTGTG	TTTAGAGTTG	GGGACAAGGA	TGACACCGAA	GTCCAGGAGT	180

	CCAGGACAGC AGGTGCTGGC CGGTGGGGAG CGGGGAGGGG CACTGAGATG GGCAGGGCCT 240
	GGACATTCCA CACCCTGGTG CTGTGCAGCC TCTGGCAGAG CATCCGACCT CTTGGAGCAA 300
	GTTTCTGCCT CTGGAAAGGG GGCGGGCCCT TTTCACAACA GGCTGGTTTG TACCGAGTAA 360
5	ACAACACGNT GCCATGAAA 379
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	SEQUENCE LENGTH: 379
10	SEQUENCE TYPE: nucleic acid
	TOPOLOGY: linear
	CLONE: HUMGS02057
	SEQUENCE DESCRIPTION:
	GATCCTAGGG GGTTTTGTTT GGTTTTNAAT TGTGAGGAAT AAAAAATNTT CTGCCCACAC 60
15	TGGCATTTTA AGGTGACTGA GGTCAAACGT TGTTTCCTTA GGTTGAAATA GCAGCCAAAA 120
	CATTOTTNAC GCAGGGGCTT GGGATATGGC TGCTGGCAAC ACATTTTGTT GTGGGCTCCT 180
	TAATTTAATG ATAAAATTTA AGCTAAACAC AAGCCAAAAA TGAATAGGTT TTTTNAATTT 240
	TNATTTTCA CTAAACAGGC AATTGAAATA CATGGTACAA AAATAAGTGG TAAGATAATT 300
20	GTAAAATGGA AATGGGCAGA NTATTCAATT TTCCATCTAT GNAAATTTTC NCATTAAAAC 360
	TCATAGNTTT CTTTGNAAA 379
,	SEQ ID NO:1810
	SEQUENCE LENGTH: 358
25	SEQUENCE TYPE:nucleic acid
	TOPOLOGY: linear
	CLONE: HUMGS02058
	SEQUENCE DESCRIPTION:
	GATCHGTTCA GCCCTGAAAA GTCCAAACTC CCAGGTATTG TTGCAGAAGG NCGAGATGAC 60
30	CTCTATAAAT CAGATGCATT CCATAAGGCA TTTNTTGAGG TAAATGAAGA AGGCAGTGAA 120
	GCAGCTGCAA GTACCGCTGT TGTGATTGCT GGCCGTTCGC TAAACCCCAA CAGGGTGACT 180
	TTCAAGGCCN CCNGGCTTNA AAAAGTTTTT ATAAGAGAAG TTCCTCTGAA CACTATTATC 240
	TTCATGGGCA GAGTAGCCAA CCCTTGTGTT AAGTAAAATG TTCTTATTCT TTGCACCTCT 300
35	TCCTATTTTN GGTTTGTGAA CAGAAGTAAA AATAAATACA AACTNNTNNC ATCTCAAA 358
	SEQ ID NO:1811
	SEQUENCE LENGTH: 358
. 40	SEQUENCE TYPE:nucleic acid
	TOPOLOGY: linear
	CLONE: HUMGS02059
	SEQUENCE DESCRIPTION:
	GATCGTTTCT NATCTCNAAG TNCCTCATTG AGNTCGGTGC ATCTGGCCAN TGAGTCTGCT 60
45	GAGACTETTG ACAGCACCTE CAGCTETGET GETTTCAACA ACAGTGACTT GETCTCCAAT 120
	GGTATCCAGT GATTCGTTGA AGAGGAGGTG CTCTGTAGCA GAAACTGAGC TCCGGGTGGC 180
	TGGTTCTCAG TGGTTGTCTC ATGTCTCTTT TTCTGTCTTA GGTGGTTTCA TTAAATGCAG 240
	CACCTEGRAA TITACTETIN GAATAAATAA AAACTEGITI GNETITGNET TETGEAAA 358
50	CACCTGGAAA TTTACTCTTN GAATAAATAA AAACTCGTTT GNCTTTGNCT TCTGCAAA 358

	SEQ ID NO:1812 SEQUENCE LENGTH:344 SEQUENCE TYPE:nucleic	acid				
5	TOPOLOGY:linear					
	CLONE: HUMGS02060					
	SEQUENCE DESCRIPTION:					
	GATCTATACT AGATAATCCT					60
10	ATGACTGAGG AAAGGAGCTC					
10	AGAAGGTCTG GCAGNNNTCA					
	ACACACGCTG CATAGAGCTC	TCCTTGAAAA	CAGAGGGGTC	TCAAGACATT	CTGCCTACCT	240
	ATTAGCTTTN CTTTATTTTT	TTAACTTTTT	GGGGGGAAAA	GTATTTTAA	GAAGTTTGTC	300
	TTGCAATGTA TTTATAAATA	GTAAATAAAG	TTTTTACCAT	TAAA		344
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	SEQ ID NO:1813					
	SEQUENCE LENGTH: 338					
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00	TOPOLOGY: linear					
20	CLONE: HUMGS02062					
	SEQUENCE DESCRIPTION:					
	GATCCAGTAG TAGAGACATC					60
	TGACTACCAG GAGGTGGCTG					
25	CTGTGTTTTT TTTTTNAACC	AAAGACACTG	NCCATAGATT	GACTTATACT	TTTATAAGTC	180
	TAATTGAAAT ACTTGGGGTA	CTATGAAAGG	NCTGTNCCTT	GNGTGGCTAC	GATTAGAAAA	240
	TCAGGNCTAA CAAACTTTTC	TTTGTCTGGA	NGCATATATA	TTTGTGATAT	AATTTNAATA	300
	TGTATAATTT TGGTTTAATA	AATCAAATCT	ATGCCAAA			338
30	SEQ ID NO:1814				,	
	SEQUENCE LENGTH: 336					
	SEQUENCE TYPE:nucleic	anid				
	TOPOLOGY: linear	aciu				
	CLONE: HUMGS02063					
35	SEQUENCE DESCRIPTION:					
	GATCCATAGA ATGGATACTG	CCACACAATT	10T 10 10TTT	CCTACAGGTA	GCCAATAGCC	60
	CAGCCTGCAG AGTCACGTCA	• • • • • • • • • • • • • • • • • • • •				
	CAATCACTAA CTGCTACTAC					
40	CATTCATGTA TATTAAACAA					
	GGTTCTGGGA GGTACAGCAT					
	AGGCTGATTT TGCTGCTCTA			dCldAdldll	CCIAACAAGG	336
	AUGUIGATIT TUUTUUTA	CITIGOACIG	UI IAAA			330
45	SEQ ID NO:1815					
	SEQUENCE LENGTH: 335					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS02064					

55

50

SEQUENCE DESCRIPTION:

	GATCTGGATG TGGATGATGC	GCCTGGAAAC	AGTCAGCAGG	CAACTCCGAA	GACAACGAGA	60
	TAAGCACCTT TCACAACCTC	GGGAACGTTC	ATTCCCCGCT	GAAGCTTCTC	ACCAGCATGG	120
_	CCATCTCGGT GGTGTGCTTC	TTCTTCCTGG	TGCACTGACT	GCCTGGTGCC	CAGCACATGT	180
5	GCTGCCCTAC AGCACCCTGT	GGTCTTCCTC	GATAAAGGGA	ACCACTTTCT	TATTTTTTC	240
	TATTTTTTTT TTTTNGTAAN	CCGGNANACC	TCCTCCAGCC	ATGAGGNNGG	GGNNTANCCA	300
	NGTGTNATGT TTNGGAAANN	NAAATGGNAT	CTTTN			335
10	SEQ ID NO: 1816					
	SEQUENCE LENGTH: 335					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
15	CLONE: HUMGS02065					
	SEQUENCE DESCRIPTION:					
	GATCCATGTG TAATATCACA					
	AACCAACAAA AGCTTTATTC					
	TATCATCCAA CAAAATCTCA					
20	CCCAGTTGTG AAGAAAAATA					
	CTGAATTTAC TATTATATTT			AGTACTGTTT	TACTCATTTT	
	TATTCATAAA TAAAGTTTTG	TGTTGATTTG	TGAAA			335
25	SEQ ID NO:1817					
	SEQUENCE LENGTH: 334					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS02066					
30	SEQUENCE DESCRIPTION:	00000 · 0000				
	GATCTTGATG CGGGACTTCA					
	CCGNNACTAC AACAAGTACA					
	GCTGGCATGC TACGTGCTCT					
35	GCTCCGCAAA TACCACTGAA					
	CGAGCCCCTC CGGNNGGAAC GAATTAACCT CCAAATAAAA			AICCITICAT	ATCCTAATAG	
	GAATTAACCT CCAAATAAAA	CAIGACLIGG	IAAA			334
	SEQ ID NO:1818					
40	SEQUENCE LENGTH: 328					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS02067					
45	SEQUENCE DESCRIPTION:		•			
.5	GATCCAAACA TGAAAGCTGG					
	TTGTTGAGTA AAAAGACTGG					
	GGTGGGGCTG GAGGTGGAAG					
	CCTGTCTTAG ATGTTCATGC					
50	CCCACAACAC CTACATCTCC		GAAGCTTCTT	GAAGATACCA	AATAAAGCCA	
	TTTATTCTGT TTTCTGGGNT	AATGTAAA				328

TAGGRETA TACTGGATT CUTCTCANT THATTICT MAIGGET GITAUTATT 180 CANCAAATCC CATAAGTATG TGTTAATATT THATTICT MAIGGET GITAUTATT 180 CACCTGTAA TAGTGTGTCT GCATTNCAA CCTGTTGCAA TAACTTINCT GAAATATTAA 300 CACATTAATA AAACTTTCT TAAACAAA 328  SEQUENCE LENGTH:328 SEQUENCE LENGTH:328 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02069 SEQUENCE DESCRIPTION: GATCAGAGAA AGGGCTACTG GGGGAGAATT CAGTGCCCCC TTCGCCCTCT AGGGNGCAGA 60 CCTCCACTGC CATTGTCCTG TNAGCCGCCA AANACCCCAC GGGGTGCCCG CATGTCCCTG 120 TCTANNNGCA GCCCAGGGGC CCCACTCCTG GCTCCTNACA CTTGCCTCCC CATTGCCGG 180 TCTCCAGAGC CTCCTCCTT CTTCTCCCCA CATCCGCACC TGCTGTCCC ACTCTGGGCT 240 TCTCAAGTCC ATGAACAGAT ATTGTTGCAT TITCCACAAT GCTGATTAAA CATAATAAAC 300 AATCCAGAAA AGCAGTTTTG CCCAGAAA 328  SEQUENCE LENGTH:319 SEQUENCE LENGTH:319 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02070 SEQUENCE TYPE:nucleic acid TTTNTGCTCT TTCCCCTGTC ACTCCCACAT CACACAGAAA AATGGCATTC TCCTCTGCTT TTCCCCGGC TCCTGGGGG GATACCGGA 120 TTTNTGCTCT TTCCCCTGTC ACTCCCACAT CACACAGAAA AATGGCATTC CTCTCTGCTT 180 CCCCTGGGA TGGAGAGGGC AGACTGTGCA CATTTCACTA GGGTCCAAAT ACAGAAGGGC 240 CCAGGGCCCA GGGGCTTGCA GCTCCCACAT CACACAGAAA AATGGCATTC CTCTCTGTCT 180 CCCCTGGCA TGGAGAGGGC AGACTGTGCA CATTTCACTA GGGTCCAAAT ACAGAAGGGC 240 CCAGGGCCCA GGGGCTTGCA GCTCCGCACA CACACAGAAA AATGGCATTC CTCTCTGTCT 180 CCCCTTGGCA TGGAGAGGGC AGACTGTGCA CATTTCACTA GGGTCCAAAT ACAGAAGGGC 240 CCAGGGCCCA GGGGCTTGCA GCTCCGCACT CACACAGAAA AATGGCATTC CTCTCTGTCT 180 CCCCTTGGCA TGGAGAGGGC AGACTGTGCA CATTTCACTA GGGTCCAAAT ACAGAAGGGC 240 CCAGGGCCCA GGGGCTTGCA GCTCCGCACT CACTGGGAG CCCCAGTTCC AATGAATAAA 300 GTTCTCTTGA CAGCTCAAA 319		SEQ ID NO:18	819					
SEQUENCE TYPE: nucleic acid  TOPOLOGY: linear CLONE: HUMGS02068 SEQUENCE DESCRIPTION: GATCGGGGCT GCTTATGCCT TCGTTTATC CTTGGGGTTT GAGAGCGCTG TATTTGGGAG 60 AGAGTTTAAA AATACATTAG GAGAGACAAA CCATTAAAAG TTTCACTGCT AGAGATATTG 120 CARCAAATCC CATAAGTATG TGTTAATATT TRAATTGTGT AAAACTTT TETTACTTTA 240 CAGCCTGTAA TAGTGTGTCT GCATTTACAA CCTGTTGCAA TAACTTTNCT GAAATATAA 300 CACATTAATA AAACTTTTCT TAAACAAA 328  SEQUENCE LENGTH: 328 SEQUENCE LENGTH: 328 SEQUENCE TYPE: nucleic acid TOPOLOGY: linear CCCCCCTGC CATTGCCCC TCTCCCCTT AGGGGGCCCC CTCCGGGCTGC CATTGCCCT 120 CCTCCACTGC CATTGCCT TRAGCCCCA AAAACCCCAC GGGGTGCCC CATTGCCCT 120 TCTANNNGCA GCCCAGGGCC CCCACTCCTG GCTCCTAACA CTTGCCCCC CATTGGGCGC 180 TCTCAAGGCC CTCCCCTTT TCTTCCCCA ACTCGCCAC TGCTGTCCC ACTCTGGGGC 180 TCTCAAGGCC ATGAACAGAT ATTGTTGCAT TTTCCACAAA GCTGGTTCCC ACTCTGGGGC 180 TCTCAAGGCC ATGACACAAT ATTGTTGCAT TTTCCACAAA GCTGGTTCCC ACTCTGGGGC 180 AATCCAGAAA AGCAGTTTG CCCAGAAA  328  329  SEQ ID NO: 1821 SEQUENCE LENGTH: 319 SEQUENCE LENGTH: 319 SEQUENCE LENGTH: 319 SEQUENCE LENGTH: 319 SEQUENCE DESCRIPTION: GATCAAAAA CAGGCCCA GACTCCCC CTCAGGGGG GGATGCATCT NCACCTGGCT CATGGGCCC TTTTCCCCCA CCCCCCCT CCCCTTT TTTCCCCCACAT CACCACAAA CATAATAAAC 300 AATCCCGGACC GGCCCCCAG GCCCCAGC TCACTGGGAG GATGCCATC NCACCTGGCT TTTTCCCTCCTC CCCCTTT TTTCCCCCACAT CACCACAAA AATGGCATC NCACCTGACT 60 TGGGGCCCA GGCCCCAGG GACTCCCCCC TCACTGGGAG GATGCACT NCACCTGACT 60 TTTTTTCCTCTTCCCC ACTCCCACAT CACCACAAAA AATGGCATC NCACCTGACT 60 TTTTTTCCTCTTCTCCCC ACTCCCACAT CACCACAAAA AATGGCATC CCCCTCTTCTT 180 CCCCCTGGCC TGGAGAGGGC AGCTCTGCA CACTTCCACAT GGGTCCAAAT ACAGAAGGGC 240 CCAGGGCCCA GGGCTTGCA GACTTGCA CACTGGAG GGTTCCC AATGAAAAAA AOGGCCATC CACCACGAAA AATGGCATC CCCCCTGTTCT 180 CTCCCTGGCA TGGAGAGGGC AGCTCTGCA CACTTCCACAT CACCACAAAA AATGGCATC CCCCTGTTCT 180 CTCCCTGGCA TGGAGAGGGC AGCTCTGGAG GGGTCTCTGG CCCAGTTTCC AATGAAAAAA 300 GTTCCTTGA CAGCTCAAAA 300 GTTCCTTGA CAGCTCAAAA 300 GTTCCTTGA CAGCTCAAAA 300		SEQUENCE LEN	NGTH: 328					
CLONE:HUMGS02068 SEQUENCE DESCRIPTION: GATCGGGGCT GCTTATGCCT TCGTTTATC CTTGGGGTTT GAGAGCGCTG TATTTGGGAG 60 AGAGTTTAAA AATACATTAG GAGAGAGAAA CCATTAAAAG TTTCACTGTC AGAGATATTG 120 TAGGTGCTAA TACTGGATTT CGTCTCANAT TTAATTCTT TNATGGGTCT GTTAGTCATT 180 CANCAAATCC CATAAGTATG TGTTAATATT TNAATTGTGT AAACTCATT TGTTACTTTA 240 CAGCCTGTAA TAGTGTGTCT GCATTTNCAA CCTGTTGCAA TAACTTTNCT GAAATATAA 300 CACATTAATA AAACTTTTCT TAAACAAA 328  SEQUENCE LENGTH:328 SEQUENCE LENGTH:328 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02069 SEQUENCE OESCRIPTION: GATCAGAGAA GAGGGTACTG GAGGGGCCCC TTCGCCCTCT AGGGNGCAGA 60 CCTCCACTGC CATTGTCCTG TNAGCCGCCA AANACCCCAC GGGGTGCCCC CATGTCCCTG 120 TCTANNNGCA GCCCAGGGCC CCCACTCCTG GCTCCTTACA CTTGCCTCCC CATGGCCGC 120 TCTAANNGCA GCCCAGGGCC CCCACTCCTG GCTCCTTACA CTTGCCTCCC CATGGCCGC 120 TCTCAAGTCC ATGAACAGAT ATTGTTGCAT TTTCCACAAT GCTGATTACA CATAATAAC 300 AATCCAGAAA AGCAGTTTTG CCCAGAAA 328  328 329 SEQ ID NO:1821 SEQUENCE LENGTH:319 SEQUENCE LENGTH:319 SEQUENCE DESCRIPTION: GATCAAAAG CCAGTCCTAG GAGTTTACCC CTGGGATTGG GGATGCACTT NCACCTGGAT 120 TTTNTGCTCT TTCCCCTGT CACCCCACAT CACCAGAAA AATGGCATCT NCACCTGACT 60 TTGGGGCCAC GTGCCCTGTG GCACCCCAGC TCACTGGGAG GATGCATCT NCACCTGACT 60 TTGGGGCCAC GTGCCCTGTG GCACCCCAGC TCACTGGGAG TCTCAGGAGG GATAACCGGA 120 TTTNTGCTCT TTCCCCTGTC ACCCCCACT CACCAGAAA AATGGCATTC CTCTCTGTCT 180 CTCCCTGGCA TGGAGAGGG AGACTGTCCA CATTCACTA ACGGAGGG CATAACCGGA 120 TTTNTGCTCT TTCCCCTGTC ACCCCCACT CACCAGAAA AATGGCATTC CTCTCTGTCT 180 CTCCCTGGCA TGGAGAGGGC AGACTGTCCA CATTCACTA GGGTCCAAAT ACAGAAGAGGC 240 CCAGGGCCA GGGGCTTCCA GCTCCTGGAG GGGTTCTGG CCCAGTTTC AATGAATAAA 300 GTTCTCTTGA CAGCTCAAA 319  SEQUENCE TYPE:nucleic acid TOPOLOGY:linear  ACCCAGGCCCA GGGCCTCCAC CTCCTGGGAG GGGTCCAAT ACAGAAGAAA ATGGCATTC ACCAGGCCCA GGGCCTCAAA ACAGAAAAA ACAGAAAAAAAAAA		SEQUENCE TYP	PE:nucleic	acid				
CLONE:HUMGS02068 SEQUENCE DESCRIPTION: GATCGGGGCT GCTTATGCCT TCGTTTATC CTTGGGGTTT GAGAGCGCTG TATTTGGGAG 60 AGAGTTTAAA AATACATTAG GAGAGAGAAA CCATTAAAAG TTTCACTGTC AGAGATATTG 120 TAGGTGCTAA TACTGGATTT CGTCTCANAT TTAATTCTT TNATGGGTCT GTTAGTCATT 180 CANCAAATCC CATAAGTATG TGTTAATATT TNAATTGTGT AAACTCATT TGTTACTTTA 240 CAGCCTGTAA TAGTGTGTCT GCATTTNCAA CCTGTTGCAA TAACTTTNCT GAAATATAA 300 CACATTAATA AAACTTTTCT TAAACAAA 328  SEQUENCE LENGTH:328 SEQUENCE LENGTH:328 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02069 SEQUENCE OESCRIPTION: GATCAGAGAA GAGGGTACTG GAGGGGCCCC TTCGCCCTCT AGGGNGCAGA 60 CCTCCACTGC CATTGTCCTG TNAGCCGCCA AANACCCCAC GGGGTGCCCC CATGTCCCTG 120 TCTANNNGCA GCCCAGGGCC CCCACTCCTG GCTCCTTACA CTTGCCTCCC CATGGCCGC 120 TCTAANNGCA GCCCAGGGCC CCCACTCCTG GCTCCTTACA CTTGCCTCCC CATGGCCGC 120 TCTCAAGTCC ATGAACAGAT ATTGTTGCAT TTTCCACAAT GCTGATTACA CATAATAAC 300 AATCCAGAAA AGCAGTTTTG CCCAGAAA 328  328 329 SEQ ID NO:1821 SEQUENCE LENGTH:319 SEQUENCE LENGTH:319 SEQUENCE DESCRIPTION: GATCAAAAG CCAGTCCTAG GAGTTTACCC CTGGGATTGG GGATGCACTT NCACCTGGAT 120 TTTNTGCTCT TTCCCCTGT CACCCCACAT CACCAGAAA AATGGCATCT NCACCTGACT 60 TTGGGGCCAC GTGCCCTGTG GCACCCCAGC TCACTGGGAG GATGCATCT NCACCTGACT 60 TTGGGGCCAC GTGCCCTGTG GCACCCCAGC TCACTGGGAG TCTCAGGAGG GATAACCGGA 120 TTTNTGCTCT TTCCCCTGTC ACCCCCACT CACCAGAAA AATGGCATTC CTCTCTGTCT 180 CTCCCTGGCA TGGAGAGGG AGACTGTCCA CATTCACTA ACGGAGGG CATAACCGGA 120 TTTNTGCTCT TTCCCCTGTC ACCCCCACT CACCAGAAA AATGGCATTC CTCTCTGTCT 180 CTCCCTGGCA TGGAGAGGGC AGACTGTCCA CATTCACTA GGGTCCAAAT ACAGAAGAGGC 240 CCAGGGCCA GGGGCTTCCA GCTCCTGGAG GGGTTCTGG CCCAGTTTC AATGAATAAA 300 GTTCTCTTGA CAGCTCAAA 319  SEQUENCE TYPE:nucleic acid TOPOLOGY:linear  ACCCAGGCCCA GGGCCTCCAC CTCCTGGGAG GGGTCCAAT ACAGAAGAAA ATGGCATTC ACCAGGCCCA GGGCCTCAAA ACAGAAAAA ACAGAAAAAAAAAA	5	TOPOLOGY:lir	пеаг					
SEQUENCE DESCRIPTION: GATGGGGGT GCTTATGCCT TICGTTTATC CTTGGGGTTT GAGAGCGGTG TATTTGGGAG 6 AGAGGTTTAAA AATACATTAG GAGAGAAAA CCATTAAAAG TTTCACTGTC AGAGATATTG 120 TAGGTGCTAA TACTGGATTT CGTCTCANAT TTAATTTCTT TNATGGGTC GTTAGTCATT 180 CANCAAATCC CATAAGTATG TGTTAATATT TNAATTGTT AAAACTCATT TGTTACTTTA 240 CAGCCTGTAA TAGTGTGTCT GCATTNCAA CCTGTTGCAA TAACTTNCT GAAATATAA 300 CACATTAATA AAACTTTTCT TAAACAAA 328  SEQUENCE LENGTH:328 SEQUENCE LENGTH:328 SEQUENCE DESCRIPTION: GATCAGAGAA GAGGCTACTG GGGGGGGATT CAGTGCCCCC TTCGCCCTCT AGGGNGCAGA 60 CCTCCACTGC CATTGTCCTG TNAGCCGCCA AANACCCCAC GGGGTGCCCG CATGTCCCTG 120 TCTANNNGCA GCCCAGGGCC CCCACTCCTG GCTCCTACACA CTTGCCCCC CATGTCCCTG 120 TCTCAAGTCC ATGACCAAT ATTGTTGCAT TTTCCACAAT GCTGATTAAA CATAATAAAC 300 AATCCAGAAA AGCAGTTTTG CCCAGAAA 328  328  329  SEQ ID NO:1821 SEQUENCE LENGTH:319 SEQUENCE DESCRIPTION: GATCAGAAAA CCAGGTTTG CCCAGAAA 328  328  329  SEQ ID NO:1821 SEQUENCE CTYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02070 SEQUENCE DESCRIPTION: GATCCAAAAG CCAGTCCCAG GAGTTTACCC CTGGGATGGG GATGCACTC NCACCTGACT 60 TTGGGGCCAC GTGCCCTGTG GCACCCCAGC TCACTGGGAG GATAACCGAA 120 TTTNTGCTCT TTCCCCTGT ACCCCCACT CACACAGAAA AATGGCATC NCACCTGACT 60 TTGGGGCCAC GTGCCCTGTG GCACCCCAGC TCACTGGGAG GATAACCGAA 120 TTTNTGCTCT TTCCCCTGT ACCCCCACT CACACAGAAA AATGGCATC CTCTCTGTCT 180 CTCCCTGGGC TGGAGAGGG AGACTGTGCA CATTTCACTA GGGTCCAAAT ACAGAAGGGC 240 CCAGGCCCCA GGGGCTTGCA GACTCTGCAC ACTCTGGGAG GATAACCGGA 120 CTCCTTGGA CAGCCCAAA ACTCTGCAC ACTCTCAGG GATTAACCAGA AATAAAAA 300 GTTCTCTTGA CAGCCCAAA ACTCTGCAC ACTCTCAGG GGGTTCCC AATGAAAAA AATGGCATC AAAAAAAAA 3319  SEQUENCE LENGTH:315 SEQUENCE LENGTH:315 SEQUENCE LENGTH:315 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	J							
GATCGGGGCT GCTTATGCCT TCGTTTATC CTTGGGGTTT GAGAGCGCTG TATTTGGGAG 60 AGAGTTTAAA AATACATTAG GAGAGAGAAA CATTAAAAG TTTCACTGTC AGAGATATT 120 CAGCATAATA AACTGGATTT CGTCTANATT TAATTTCTT TNATGGGCTC GTTAGATTA 240 CAGCATAATA AACTTTTCT TAAACAAA CCGTTTGCAA TAACTTNCT GAAATATTAA 300 CACATTAATA AACTTTTCT TAAACAAA CCGTTTGCAA TAACTTNCT GAAATATTAA 3028  SEQ ID NO:1820 SEQ ID NO:1820 SEQUENCE LENGTH:328 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02069 SEQUENCE GATGGCCTG GGGGAGAATT CAGTGCCCC TCGGCCCTCT AGGGNGCAGA 60 CCTCCACTGC CATTGTCCTG TNAGCCGCCA ANACCCCAC GGGGGGCCC CATGCCCCTG 120 TCTANNNGCA GCCCAGGGCC CCCACTCCTG GCTCCTACAGCAG GCGGGGCCC CATGCCCCTG 120 TCTCCAGACC CTCCTCCTT CTCTCCCCA CATCGCACC TCGCCCCC ACTGCCCCTG 120 AATCCAGAAA AGCAGTTTTG CCCAGAAA 328  328  329 SEQ ID NO:1821 SEQUENCE LENGTH:319 SEQUENCE CTCCTCAGGGG GAGTTTCCCACAGAA 328  329 SEQ ID NO:1821 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02070 SEQUENCE TYPE:nucleic acid TTTNTGCTCT TCCCCTGTG GACCCCAGG TCACTGGGGG GATGCATCT NCACCTGACT 60 TTGGGGCCAC GTGCCCTGT GCACCCCAG TCACTGGGAG GATAACCGAA 120 TTTNTGCTCT TCCCCCTGT GACCCCAGG TCACTGGGAG GATGCATCT NCACCTGACT 60 TTGGGGCCAC GGGCCCTGCAC CACCCCAGG TCCCTGGGAG GATAACCGAA 120 TTTNTGCTCT TCCCCCTGTC ACCCCCAGC TCACTGGGAG GATGCATCT NCACCTGACT 60 TTGGGGCCAC GGGCCTCGCAC CACCCCAGC TCACTGGGAG GATAACCGAA 120 TTTNTGCTCT TCCCCTGTC ACCCCCAGC TCACTGGGAG GATGCATCT NCACCTGACT 180 CCCAGGCCCCA GGGGCTTCAG GAGTTTACC CTCGCGAAA AATGCAAAA AATGCAAAAA AATGCAGAA 120 TTTNTGCTCT TCCCCTGTC ACCCCCAGC TCACTGGGAA AATGCAAAA AATGCAAAAAAAAAA								
AGAGTTTAAA AATACATTAG GAGAGAGAAA CCATTAAAAG TTTCACTGTC AGAGATATTG 120 TAGGTGCTAA TACTGGATTT CGTCCANAT TTAATTTCTT TNATGGGTCT GTTAGTCATT 180 CANCAAATCC CATAAGTATG TGTTAATATT TNAATTGTGT AAAACTCATT TGTTACTTTA 240 CAGCATGTAA TAGTGGTGTT GCATTINCAA CCTGTTGCAA TAACTCATT TGTTACTTTA 240 CACATTAATA AAACTTTCT TAAACAAA 328  SEQ ID NO:1820 SEQUENCE LENGTH:328 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUHGS02069 SEQUENCE DESCRIPTION: GATCAGAGAA GAGGCTACTG GGGGAGAATT CAGTGCCCCC TTCGCCCTCT AGGGNGCAGA 60 CCTCCACTGC CATTGTCCTG TNAGCCGCCA AANACCCCAC GGGGTGCCCG CATGTCCCTG 120 TCTCAAGACA CGCCCAGCGCC CCCACTCCTG GCTCTNACA CTTGCCTCCC CTATGGCCGC 180 TCTCCAGAGC CTCCTCCTTT CTTCTCCCCA CATCGCACC TGCTGTCCC CATTGGCCGC 180 AATCCAGAAA AGCAGTTTTG CCCAGAAA TTGTTGCAT TTTCCACAAT GCTGATAAA CATAATAAAC 300 AATCCAGAAA AGCAGTTTTG CCCAGAAA 328  SEQ ID NO:1821 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUHGS02070 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUHGS02070 SEQUENCE TYPE:nucleic ACCCCACAT CACACAGAAA AATGGCATC NCACCTGACT 60 TTGGGGCCAC GTGCCCTGTG GCACCCCACT CACACAGAAA AATGGCATC CTCTCTGCTCT 180 CCCCGGGCCCA GGGGCTTGCA GCACCCCACT CACACAGAAA AATGGCATC CTCTCTGCTT 180 CCCCGGGCCCA GGGGCTTGCA GCTCCCCACAT CACACAGAAA AATGGCATC CTCTCTGCTT 180 CCCCGGGCCCA GGGGCTTGCA GCTCCCCACAT CACACAGAAA AATGGCATC CTCTCTGCTT 180 CCCCGGGCCCA GGGGCTTGCA GCTCCGCACAT CACACAGAAA AATGGCATC CTCTCTGCTT 180 CCCCGGGCCCA GGGGCTTGCA GCTCCGCACAT CACACAGAAA AATGGCATC CTCTCTGCTT 180 CCCCGGGCCCA GGGGCTTGCA GCTTCGCACAT CACACAGAAA AATGGCATC CACAGAGGGC 240 CCAGGGCCCA GGGGCTTGCA GCTTCGTGAG GGGTCCCAAAT ACAGAAGGGC 240 CCAGGGCCCA GGGGCTTGCA GCTTCGTGAG GGGTCCCAAAT ACAGAAGGC 240 CCAGGGCCCA GGGGCTTGCA GCTTCGTGAG GGGTCCCAAAT ACAGAAGAGC 240 CCAGGGCCCA GGGGCTTGCA GCTTCGTGAG GGGTCCCAAAT ACAGAAGAGA AATGGCATC CACAGGGCCCAGC TTCCTCTTTTG CAGGCCCAGC TTCCTGCTGCA CTTTCTTTCACTA GGGTCCAAAT ACAGAAGAGACACACACAAA AATGGCATC CTCTCTTTTTATCTTATA CATAATAAA 3000 GTTCTCTTGA CAGCCCACACT CACACAGAAA AATGGCATC AATGAAAAAAA 3000 GTTCTCTTGA CAGCTCAAA 319				TTCGTTTATC	CTTGGGGTTT	GAGAGCGCTG	TATTTGGGAG	60
TAGGTGCTAA TACTGGATTI CGTCTCANAT THANTTETT TNATGGGTCT GTTAGTCATT 180 CANCAAATCC CATAAGTAG TGTTAATATT TNAATTGTGT AAAACTCATT TGTTACTTTA 240 CAGCCTGTAA TAGTGTGTCT GCATTRCAA CCTGTTGCAA TAACTTTTCT GAAATATAA 300 CACATTAATA AAACTTTCT TAAACAAA 328  SEQ ID NO:1820 SEQUENCE LENGTH:328 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02069 SEQUENCE DESCRIPTION: GATCAGAGAA GAGGCTACTG GGGGAGAATT CAGTGCCCCC TTCGCCCTCT AGGGNGCAGA 60 CCTCCACTGC CATTGTCCTG TNAGCCGCCA AANACCCCAC GGGGTGCCCG CATGTCCCTG 120 TCTANNNGCA GCCCAGGGCC CCCACTCCTG GCTCCTNACA CTTGGCTCCC CTATGGCCCGC 120 TCTCCAGGCC ATGCACCATT CTTCTCCCCA CATCCGCACC TGCTGTTCCC ACTGTGGGCT 240 TCTCAAGTCC ATGAACAGAT ATTGTTGCAT TTTCCACAAT GCTGATTAAA CATAATAAAC 300 AATCCAGAAA AGCAGTTTTG CCCAGAAA 328  30 SEQ ID NO:1821 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02070 SEQUENCE DESCRIPTION: GATCCAAAAG CCAGTCTCAG GAGTTTACCC CTGGGATGGG GGATGCATCT NCACCTGACT 60 TTGGGGCCAC GTGCCCTGTG GCACCCCAGC TCACTGGGAG TCTCAGGAGG GATAACCGGA 120 TTTNTGCTCT TTCCCCTGTC ACTCCCACAT CACACAGAAA AATGGCATTC CTCTCTGTCT 180 CTCCCTGGCA TGGAAGAGGG AGACTGCAC CACTCGGAAA AATGGCATTC CTCTCTTCTT 180 CTCCCTGGCA TGGAAGAGGG AGACTGCAC CACTCGGAAA AATGGCATTC CTCTCTTCTT 180 CTCCCTGGCA TGGAAGAGGG AGACTGGCA CATTCACTA GGGTCCAAAT ACAGAAGGGC 240 CCCAGGGCCCA GGGGCTTGCA GCTCCGCACT CACACAGAAA AATGGCATTC CTCTCTTCTT 180 CTCCCTGGCA TGGAAGAGGG AGACTGGCA CATTCACTA GGGTCCAAAT ACAGAAGGGC 240 CCCAGGGCCCA GGGGCTTGCA GCTTCGTGAG GGGTCTCTGG CCCAGTTTCC AATGAATAAA 300 GTTCTCTTGA CAGCTCAAA 319								
CANCAAATCC CATAAGTATG TGTTAATATT TNAATTGTGT AAAACTCATT TGTTACTTTA 240 CAGCCTGTAA TAGTGTGTCT GCATTINCAA CCTGTTGCAA TAACTTINCT GAAATATTAA 300 CACATTAATA AAACTTTTCT TAAACAAA 328  SEQ ID NO:1820 SEQUENCE LENGTH:328 SEQUENCE TYPE:Ducleic acid TOPOLOGY:Linear CLONE:HUMGS02069 SEQUENCE DESCRIPTION: GATCAGAGAA GAGGCTACTG GGGGGAGAATT CAGTGCCCCC TTCGCCCTCT AGGGNGCAGA 60 CCTCCACTGC CATTGTCCTG TNAGCCGCCA AANACCCCAC GGGGTGCCCC CATGTCCCTG 120 TCTANNNGCA GCCCAGGGCC CCCACTCCTG GCTCCTNACA CTTGCCTCCC CATGTCCCTG 120 TCTCAAGTCC ATGAACAGAT ATTGTTGCAT TITCCACAAT GCTGATTAAA CATAATAAAC 300 AATCCAGAAA AGCAGTTTTG CCCAGAAA 328  328  390 SEQ ID NO:1821 SEQUENCE TYPE:Ducleic acid TOPOLOGY:Linear CLONE:HUMGS02070 SEQUENCE DESCRIPTION: GATCCAAAAG CCAGTCTCAG GAGTTTACCC CTGGGATGG GGATGCATCT NCACCTGACT 60 TTGGGGCCAC GTGCCCTGTG GCACCCCAGC TCACTGGGAG TCCAGGAGG GATAACCGGA 120 TTNTGCTCT TTCCCCTGTC ACTCCCACAT CACACAGAAA AATGGCATTC CTCTCTGTTCT 180 CCCCTGGGA GGGCC AGGGCTCAAA ACGGGATTC CTCTCTGTTCT 180 CCCCTGGGA GGGCTAGAGGG AGACTGCAC CATTCACTA GGGTCCAAAA AACGGAAGGGC 240 CCCAGGGCCCA GGGGCTTGCA GCTTCGTAGAA AATGGCATTC CTCTCTGTCT 180 CCCCTGGCA TGGAGAGGG AGACTGCAC CATTCACTA GGGTCCAAAA AACGAGAGGGC 240 CCCAGGGCCCA GGGGCTTGCA GCTTCGTAGA GGGTCCCAAAT ACAGAAGGGC 240 CCCAGGGCCCA GGGGCTTGCA GCTTCGTAG GGGTCCTAAA ACAGAAGGGC 240 CCAGGGCCCA GGGGCTTGCA GCTTCGTAG GGGTCCTAAA AATGGAATAAA 300 GTTCTTTGA CAGCTCAAA 319	10							
CAGCCTGTAA TAGTGTGTCT GCATTINCAA CCTGTTGCAA TAACTTINCT GAAATATTAA 300 CACATTAATA AAACTTTTCT TAAACAAA 328  SEQ ID NO:1820 SEQUENCE LENGTH:328 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02069 SEQUENCE DESCRIPTION: GATCAGAGAA GAGGCTACTG GGGGAGAATT CAGTGCCCCC TTCGCCCTCT AGGGNGCAGA 60 CCTCCACTGC CATTGTCCTG TMAGCCGCCA AANACCCCAC GGGGTGCCCG CATGTCCCTG 120 TCTANNNGCA GCCCAGGGCC CCCACTCCTG GCTCCTNACA CTTGCCTCC CTATGGCCGC 180 TCTCCAAGTCC ATGAACAGAT ATTGTTGCAT TITCCACAAT GCTGATTAAA CATAATAAAC 300 AATCCAGAAA AGCAGTTTTG CCCAGAAA 328  SEQ ID NO:1821 SEQUENCE LENGTH:319 SEQUENCE LENGTH:319 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02070 SEQUENCE DESCRIPTION: GATCCAAAAG CCAGTCTCAG GAGTTTACCC CTGGGATGGG GGATGCATCT NCACCTGACT 60 TTGGGGCCAC GTGCCCTGTG GCACCCCACT CACCAGGAGA AATGGCATTC TCTCCTCTCT 180 GTTCATGGCC GGGCTTCCA GCACCCCACT CACCAGGAGA AATGGCATTC TCTCCTCTCT 180 CTCCCTGGCA GGGCTTGCA GAGTTTACCC CTGGGATGGG GATACCATC TCCCTGTC TTCCCCTGTC ACTCCCCACT CACCAGAGAA AATGGCATTC ACTCCTGTCT 180 CTCCCTGGCA GGGGCTTGCA GAGCTGTGCA CATTTCACTA GGGTCCAAAT ACAGAAGGGC 240 CCAGGGCCCA GGGGCTTGCA GCTTCGTGAG GGGTCTCTGG CCCAGTTTCC AATGAATAAA 300 GTTCTCTTGA CAGCTCAAA 3019  SEQUENCE LENGTH:315 SEQUENCE LENGTH:315 SEQUENCE LENGTH:315 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear								
SEQ ID NO:1820 SEQUENCE LENGTH:328 SEQUENCE TYPE: nucleic acid TOPOLOGY:linear CLONE:HUHGS02069 SEQUENCE DESCRIPTION: GATCAGAGAA GAGGCTACTG GGGGAGAATT CAGTGCCCCC TTCGCCCTCT AGGGNGCAGA 60 CCTCCACTGC CATTGTCCTG TNAGCCGCCA AANACCCCAC GGGGTGCCCG CATGTCCCTG 120 TCTANNINGCA GCCCAGGGCC CCCACTCCTG GCTCCTNACA CTTGCCTCC CATGGCCGC 180 TCTCAAGTCC ATGAACAGAT ATTGTTGCAT TTTCCACAAT GCTGATTAAA CATAATAAAC 300 AATCCAGAAA AGCAGTTTG CCCAGAAA 328  SEQUENCE LENGTH:319 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUHGS02070 SEQUENCE TYPE:nucleic acid TTTNTGCTCT TCCCCTGT CATCCCCACT CACTGGGGG GGATGCATCT NCACCTGACT 60 TTGGGGCCAC GTGCCCTGT GCACCCCAGC TCACTGGGGG GATAACGGG ATAACGGG 120 TTTNTGCTCT TCCCCCTGT GCACCCCAGC TCACTGGGAG GATAACGGG 120 CTCCCTGGCA TGGAGAGGGC AGACTGTGCA CATTCACAAA AATGGCATTC CTCCTGTCT 180 CTCCCTGGCA TGGAGAGGGC AGACTGTGCA CATTCACAAA AATGGCATTC CTCCTGTCT 180 CCCAGGGCCCA GGGCTTGCA GCACCCCACAT CACAGAAA AATGGCATTC CTCCTGTCT 180 CCCAGGGCCCA GGGCTTGCA GCACCCCACAT CACAGAAA AATGGCATTC CTCCTGTCT 180 CCCAGGGCCCA GGGCTTGCA GCTCCCACAT CACACAAAA AATGGCATTC CTCCTGTCT 180 CCCAGGGCCCA GGGCTTGCA GCTCCCACAT CACACAAAA AATGGCATTC CTCCTGTCT 180 CCCAGGGCCCA GGGCTTGCA GCTTCGTGAG GGGTCTCTCG CCCAGTTCC AATGAAAAAAA 300 GTTCTCTTGA CAGCTCAAA 300 GTTCTCTTGA CAGCTCAAA 300 GTTCTCTTGA CAGCTCAAA 300								
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SEQ ID NO:1820 SEQUENCE LENGTH:328 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02069 SEQUENCE DESCRIPTION: GATCAGAGAA GAGGGTACTG GGGGAGAATT CAGTGCCCCC TTCGCCCTCT AGGGNGCAGA 60 CCTCCACTGC CATTGTCCTG TNAGCCGCCA AANACCCCAC GGGGTGCCCG CATGTCCCTG 120 CTCCANNINGCA GCCCAGGGCC CCCACTCCTG GCTCCTNACA CTTGCCTCC CTATGGCCGC 180 TCTCCAGACC CTCCTCCTTT CTTCTCCCCA CATCCGCACC TGCTGTTCCC ACTCTGGGT 240 TCTCAAGTCC ATGAACAGAT ATTGTTGCAT TTTCCACAAT GCTGATTAAA CATAATAAAC 300 AATCCAGAAA AGCAGTTTTG CCCAGAAA 328  SEQ ID NO:1821 SEQUENCE LENGTH:319 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02070 SEQUENCE DESCRIPTION: GATCCAAAAG CCAGTCTCAG GAGTTTACCC CTGGGATGGG GGATGCATCT NCACCTGACT 60 TTGGGGCCAC GTGCCCTGTG GCACCCCAGC TCACTGGGAG TCTCAGGAGG GATAACCGGA 120 TTTNTGCTCT TTCCCCTGTC ACTCCCACAT CACACAGAAA AATGGCATTC CTCTCTGTCT 180 CTCCCTGGCA TGGAGAGGGC AGACTGTGCA CATTTCACTA GGGTCCAAAT ACAGAAGGGC 240 CCAGGGCCA GGGGCTTGCA GCTTCGTGAG GGGTCCTTGG CCCAGTTTCC AATGAATAAA 300 GTTCTCTTGA CAGCTCAAA 319  SEQ ID NO:1822 SEQUENCE LENGTH:315 SEQUENCE LENGTH:315 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	16							020
SEQUENCE LENGTH:328 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02069 SEQUENCE DESCRIPTION: GATCAGAGAA GAGGCTACTG GGGGAGAATT CAGTGCCCCC TTCGCCCTCT AGGGNGCAGA 60 CCTCCACTGC CATTGTCCTG TMAGCCGCCA AANACCCCAC GGGGTGCCCC CTATGGCCGC 180 TCTANNNGCA GCCCAGGGCC CCCACTCCTG GCTCCTNACA CTTGCCTCC CTATGGCCGC 180 TCTCCAGACC CTCCTCCTTT CTTCTCCCCA CATCCGCACC TGCTGTTCCC ACTCTGGGGT 240 TCTCAAGTCC ATGAACAGAT ATTGTTGCAT TTTCCACAAT GCTGATTAAA CATAATAAAC 300 AATCCAGAAA AGCAGTTTTG CCCAGAAA 328  SEQ ID NO:1821 SEQUENCE LENGTH:319 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02070 SEQUENCE DESCRIPTION: GATCCAAAAG CCAGTCCCAG GAGTTTACCC CTGGGATGGG GGATGCATCT NCACCTGACT 60 TTGGGGCCAC GTGCCCTGTG GCACCCCAGC TCACTGGGGG TCTCAGGAGG GATAACCGGA 120 TTTNTGCTCT TTCCCCTGTC ACTCCCACAT CACACAGAAA AATGGCATTC CTCTCTGTCT 180 CTCCCTGGCA TGGAGAGGGC AGACTGTGCA CATTTCACTA GGGTCCAAAT ACAGAAGGGC 240 CCAGGGCCCA GGGGCTTGCA GCTTCCTGTGA GGGTCCTAAT ACAGAAGGGC 240 CCAGGGCCCA GGGGCTTGCA GCTTCCTGTGA GGGTCCTAAT ACAGAAGGGC 240 CCAGGGCCCA GGGGCTTGCA GCTTCGTGAG GGGTCTCTGG CCCAGTTTCC AATGAATAAA 300 GTTCTCTTGA CAGCTCAAA 319  SEQ ID NO:1822 SEQUENCE LENGTH:315 SEQUENCE LENGTH:315 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	75	SEQ ID NO-18	320					
SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02069 SEQUENCE DESCRIPTION: GATCAGAGAA GAGGCTACTG GGGGAGAATT CAGTGCCCCC TTCGCCCTCT AGGGNGCAGA 60 CCTCCACTGC CATTGTCCTG TNAGCCGCCA AANACCCCAC GGGGTGCCCG CATGTCCCTG 120 TCTANNNGCA GCCCAGGGCC CCCACTCCTG GCTCCTNACA CTTGCCTCC CATGGCCGCC 180 TCTCCAGGCC CTCCTCCTTT CTTCTCCCCA CATCCGCACC TGCTGTTCCC ACTCTGGGT 240 TCTCAAGTCC ATGAACAGAT ATTGTTGCAT TTTCCACAAT GCTGATTAAA CATAATAAAC 300 AATCCAGAAA AGCAGTTTTG CCCAGAAA 328  SEQ ID NO:1821 SEQUENCE LENGTH:319 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02070 SEQUENCE DESCRIPTION: GATCCAAAAG CCAGTCTCAG GAGTTTACCC CTGGGATGGG GGATGCATCT NCACCTGACT 60 TTGGGGCCAC GTGCCTTGT GCACCCCAGC TCACTGGGAG TCTCAGGAGG GATAACCGGA 120 TTTNTGCTCT TTCCCCTGTC ACTCCCACAT CACACAGAAA AATGGCATTC CTCTCTGTCT 180 CTCCCTGGCA TGGAGAGGGC AGACTGTCCA CATTTCACTA GGGTCCAAAT ACAGAAGGCC 240 CCAGGGCCCA GGGGCTTGCA GCTCCTGAG GGGTCTCTGG CCCAGTTTCC AATGAATAAA 300 GTTCTCTTGA CAGCTCAAA 319  SEQ ID NO:1822 SEQUENCE LENGTH:315 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear		-						
TOPOLOGY:linear  CLONE:HUMGS02069  SEQUENCE DESCRIPTION:  GATCAGAGAA GAGGCTACTG GGGGAGAATT CAGTGCCCCC TTCGCCCTCT AGGGNGCAGA 60  CCTCCACTGC CATTGTCCTG TNAGCCGCCA AANACCCCAC GGGGTGCCCG CATGTCCCTG 120  TCTANNNGCA GCCCAGGGCC CCCACTCCTG GCTCCTNACA CTTGCCTCCC CTATGGCCGC 180  TCTCCAGACC CTCCTCCTTT CTTCTCCCCA CATCCGCACC TGCTGTTCCC ACTCTGGGGT 240  TCTCAAGTCC ATGAACAGAT ATTGTTGCAT TTTCCACAAT GCTGATTAAA CATAATAAAC 300  AATCCAGAAA AGCAGTTTTG CCCAGAAA 328  SEQ ID NO:1821  SEQUENCE LENGTH:319  SEQUENCE TYPE:nucleic acid  TOPOLOGY:linear  GATCCAAAAA CCAGTCTCAG GAGTTTACCC CTGGGATGGG GGATGCATCT NCACCTGACT 60  TTGGGGCCAC GTGCCCTGTG GCACCCCAGC TCACTGGGAG TCTCAGGAGG GATAACCGGA 120  TTTNTGCTCT TTCCCCTGTC ACTCCCACAT CACACAGAAA AATGGCATTC CTCTCTGTCT 180  CTCCCTGGCA TGGAGAGGGC AGACTGTGCA CATTTCACTA GGGTCCAAAT ACAGAAGGGC 240  CCAGGGCCCA GGGGCTTGCA GCTTCGTGAG GGGTCCTCTG CCCAGTTTCC AATGAATAAAA 300  GTTCTCTTGA CAGCTCAAAA 3319  SEQ ID NO:1822  SEQUENCE LENGTH:315  SEQUENCE TYPE:nucleic acid  TOPOLOGY:linear				acid				
CLONE:HUMGS02069  SEQUENCE DESCRIPTION: GATCAGAGAA GAGGCTACTG GGGGAGAATT CAGTGCCCCC TTCGCCCTCT AGGGNGCAGA 60 CCTCCACTGC CATTGTCCTG TNAGCCGCCA AANACCCCAC GGGGTGCCCG CATGTCCCTG 120 TCTANNNGCA GCCCAGGGCC CCCACTCCTG GCTCCTNACA CTTGCCTCCC CTATGGCCGC 180 TCTCCAGACC CTCCTCCTTT CTTCTCCCCA CATCCGCACC TGCTGTTCCC ACTCTGGGGT 240 TCTCAAGTCC ATGAACAGAT ATTGTTGCAT TTTCCACAAT GCTGATTAAA CATAATAAAC 300 AATCCAGAAA AGCAGTTTTG CCCAGAAA 328  SEQ ID NO:1821 SEQUENCE LENGTH:319 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02070 SEQUENCE DESCRIPTION: GATCCAAAAG CCAGTCTCAG GAGTTTACCC CTGGGATGGG GGATGCATCT NCACCTGACT 60 TTGGGGCCAC GTGCCCTGTG GCACCCCAGC TCACTGGGAG TCTCAGGAGG GATAACCGGA 120 TTTNTGCTCT TCCCCTGTC ACTCCCCACT CACACAGAAA AATGGCATTC CTCTCTGTCT 180 CTCCCTGGCA TGGAGGGGC ACCCCCACC TCACTGGGAG TCCCAGGAGG CATAACCGGA 120 CTCCCTGGCA TGGAGGGGC ACTCCCCACT CACACAGAAA AATGGCATTC CTCTCTGTCT 180 CCCAGGGCCCA GGGGCTTGCA GCTTCGTGGA GGGTCTCTGG CCCAGTTTCC AATGAATAAA 300 GTTCTCTTGA CAGCTCAAA 319  SEQ ID NO:1822 SEQUENCE LENGTH:315 SEQUENCE LENGTH:315 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear		• • •		4014				
SEQUENCE DESCRIPTION:  GATCAGAGAA GAGGCTACTG GGGGAGAATT CAGTGCCCCC TTCGCCCTCT AGGGNGCAGA 60  CCTCCACTGC CATTGTCCTG TNAGCCGCCA AANACCCCAC GGGGTGCCCG CATGTCCCTG 120  TCTANNNGCA GCCCAGGGCC CCCACTCCTG GCTCCTNACA CTTGCCTCCC CTATGGCCGC 180  TCTCCAGACC CTCCTCCTTT CTTCTCCCCA CATCCGCACC TGCTGTTCCC ACTCTGGGGT 240  TCTCAAGTCC ATGAACAGAT ATTGTTGCAT TTTCCACAAT GCTGATTAAA CATAATAAAC 300  AATCCAGAAA AGCAGTTTTG CCCAGAAA 328  SEQ ID NO:1821  SEQUENCE LENGTH:319  SEQUENCE TYPE:nucleic acid  TOPOLOGY:linear  CLONE:HUMGS02070  SEQUENCE DESCRIPTION:  GATCCAAAAG CCAGTCTCAG GAGTTTACCC CTGGGATGGG GGATGCATCT NCACCTGACT 60  TTGGGGCCAC GTGCCCTGTG GCACCCCAGC TCACTGGGAG TCTCAGGAGG GATAACCGGA 120  TTTNTGCTCT TCCCCTGTC ACTCCCACAT CACACAGAAA AATGGCATTC CTCTCTGTCT 180  CTCCCTGGCA TGGAGAGGGC AGACTGTGCA CATTTCACTA GGGTCCAAAT ACAGAAGGGC 240  CCAGGGCCCA GGGGCTTGCA GCTCTCGTGAG GGGTCCTTGG CCCAGTTTCC AATGAATAAA 300  GTTCTCTTGA CAGCTCAAA 319  SEQ ID NO:1822  SEQUENCE LENGTH:315  SEQUENCE TYPE:nucleic acid  TOPOLOGY:linear	20							
GATCAGAGAA GAGGCTACTG GGGGAGAATT CAGTGCCCCC TTCGCCCTCT AGGGNGCAGA 60 CCTCCACTGC CATTGTCCTG TNAGCCGCCA AANACCCCAC GGGGTGCCCG CATGTCCCTG 120 TCTANNNGCA GCCCAGGGCC CCCACTCCTG GCTCCTNACA CTTGCCTCCC CATGGCCGC 180 TCTCCAGACC CTCCTCTTT CTTCTCCCCA CATCCGCACC TGCTGTTCCC ACTCTGGGGT 240 TCTCAAGTCC ATGAACAGAT ATTGTTGCAT TTTCCACAAT GCTGATTAAA CATAATAAAC 300 AATCCAGAAA AGCAGTTTTG CCCAGAAA 328  SEQ ID NO:1821 SEQUENCE LENGTH:319 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02070 SEQUENCE DESCRIPTION: GATCCAAAAG CCAGTCTCAG GAGTTTACCC CTGGGATGGG GGATGCATCT NCACCTGACT 60 TTGGGGCCAC GTGCCCTGTG GCACCCCAGC TCACTGGGAG TCTCAGGAGG GATAACCGGA 120 TTTNTGCTCT TTCCCCTGTC ACTCCCACAT CACACAGAAA AATGGCATTC CTCTCTGTCT 180 CTCCCTGGCA TGGAGAGGGC AGACTGTGCA CATTTCACTA GGGTCCAAAT ACAGAAGGGC 240 CCCAGGGCCCA GGGGCTTGCA GCTCCGTGAG GGGTCCTCTA GGGTCCAAAT ACAGAAGGGC 240 CCCAGGGCCCA GGGGCTTGCA GCTCCGTGAG GGGTCCTCTG CCCAGTTTCC AATGAATAAA 300 GTTCTCTTGA CAGCTCAAA 319  SEQ ID NO:1822 SEQUENCE LENGTH:315 SEQUENCE LENGTH:315 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear								
CCTCCACTGC CATTGTCCTG TNAGCCGCCA AANACCCCAC GGGGTGCCCG CATGTCCCTG 120 TCTANNNGCA GCCCAGGGCC CCCACTCCTG GCTCCTNACA CTTGCCTCC CTATGGCCGC 180 TCTCCAGACC CTCCTCCTTT CTTCTCCCCA CATCCGCACC TGCTGTCCC ACTCTGGGGT 240 TCTCAAGTCC ATGAACAGAT ATTGTTGCAT TTTCCACAAT GCTGATTAAA CATAATAAAC 300 AATCCAGAAA AGCAGTTTTG CCCAGAAA 328  SEQ ID NO:1821 SEQUENCE LENGTH:319 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02070 SEQUENCE DESCRIPTION: GATCCAAAAG CCAGTCTCAG GAGTTTACCC CTGGGATGGG GGATGCATCT NCACCTGACT 60 TTGGGGCCAC GTGCCCTGTG GCACCCCAGC TCACTGGGAG TCTCAGGAGG GATAACCGGA 120 TTTNTGCTCT TTCCCCTGTC ACTCCCACAT CACACAGAAA AATGGCATC CTCTCTGTCT 180 CTCCCTGGCA TGGAGAGGGC AGACTGTGCA CATTTCACTA GGGTCCAAAT ACAGAAGGGC 240 CCCAGGGCCCA GGGGCTTGCA GCTTCCTGTG GGGTCCTAAT ACAGAAGGGC 240 CCCAGGGCCCA GGGGCTTGCA GCTTCCTGTG GGGTCCTCTG CCCAGTTTCC AATGAATAAA 300 GTTCTCTTGA CAGCTCAAA 319  SEQ ID NO:1822 SEQUENCE LENGTH:315 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear				GGGGAGAATT	CAGTGCCCCC	TTCGCCCTCT	AGGGNGCAGA	60
TCTANNNGCA GCCCAGGGCC CCCACTCCTG GCTCCTNACA CTTGCCTCC CTATGGCCGC 180 TCTCCAGACC CTCCTCCTTT CTTCTCCCCA CATCCGCACC TGCTGTTCC ACTCTGGGGT 240 TCTCAAGTCC ATGAACAGAT ATTGTTGCAT TTTCCACAAT GCTGATTAAA CATAATAAAC 300 AATCCAGAAA AGCAGTTTTG CCCAGAAA 328  SEQ ID NO:1821 SEQUENCE LENGTH:319 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02070 SEQUENCE DESCRIPTION: GATCCAAAAG CCAGTCTCAG GAGTTTACCC CTGGGATGGG GGATGCATCT NCACCTGACT 60 TTGGGGCCAC GTGCCCTGTG GCACCCCAGC TCACTGGGAG TCTCAGGAGG GATAACCGGA 120 TTTNTGCTCT TTCCCCTGTC ACTCCCCACAT CACACAGAAA AATGGCATC CTCTCTGTCT 180 CTCCCTGGCA TGGAGAGGGC AGACTGTGCA CATTTCACTA GGGTCCAAAT ACAGAAGGGC 240 CCCAGGGCCCA GGGGCTTGCA GCTTCGTGAG GGGTCTCTGG CCCAGTTTCC AATGAATAAA 300 GTTCTCTTGA CAGCTCAAA 319  SEQ ID NO:1822 SEQUENCE LENGTH:315 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear								
TCTCCAGACC CTCCTCTTT CTTCTCCCA CATCCGCACC TGCTGTTCCC ACTCTGGGGT 240 TCTCAAGTCC ATGAACAGAT ATTGTTGCAT TTTCCACAAT GCTGATTAAA CATAATAAAC 300 AATCCAGAAA AGCAGTTTTG CCCAGAAA 328  SEQ ID NO:1821 SEQUENCE LENGTH:319 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear  TOPOLOGY:linear  TCLONE:HUMGSO2070 SEQUENCE DESCRIPTION: GATCCAAAAG CCAGTCTCAG GAGTTTACCC CTGGGATGGG GGATGCATCT NCACCTGACT 60 TTGGGGCCAC GTGCCCTGTG GCACCCCAGC TCACTGGGAG TCTCAGGAGG GATAACCGGA 120 TTTNTGCTCT TTCCCCTGTC ACTCCCACAT CACACAGAAA AATGGCATTC CTCTCTGTCT 180 CCCCCTGGCA TGGAGAGGGC AGACTGTGCA CATTTCACTA GGGTCCAAAT ACAGAAGGGC 240 CCAGGGCCCA GGGGCTTGCA GCTTCGTGAG GGGTCTCTGG CCCAGTTTCC AATGAATAAA 300 GTTCTCTTGA CAGCTCAAA 319  SEQ ID NO:1822 SEQUENCE LENGTH:315 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	25							
TCTCAAGTCC ATGAACAGAT ATTGTTGCAT TTTCCACAAT GCTGATTAAA CATAATAAAC 300  AATCCAGAAA AGCAGTTTTG CCCAGAAA 328  SEQ ID NO:1821 SEQUENCE LENGTH:319 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02070 SEQUENCE DESCRIPTION: GATCCAAAAG CCAGTCCAG GAGTTTACCC CTGGGATGGG GGATGCATCT NCACCTGACT 60 TTGGGGCCAC GTGCCCTGTG GCACCCCAGC TCACTGGGAG TCTCAGGAGG GATAACCGGA 120 TTTNTGCTCT TTCCCCTGTC ACTCCCACAT CACACAGAAA AATGGCATTC CTCTCTGTCT 180 CTCCCTGGCA TGGAGAGGGC AGACTGTGCA CATTTCACTA GGGTCCAAAT ACAGAAGGGC 240 CCAGGGCCCA GGGGCTTGCA GCTTCGTGAG GGGTCTCTGG CCCAGTTTCC AATGAATAAA 300 GTTCTCTTGA CAGCTCAAA 319  SEQ ID NO:1822 SEQUENCE LENGTH:315 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	25							
SEQ ID NO:1821 SEQUENCE LENGTH:319 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02070 SEQUENCE DESCRIPTION: GATCCAAAAG CCAGTCTCAG GAGTTTACCC CTGGGATGGG GGATGCATCT NCACCTGACT 60 TTGGGGCCAC GTGCCCTGTG GCACCCCAGC TCACTGGGAG TCTCAGGAGG GATAACCGGA 120 TTTNTGCTCT TTCCCCTGTC ACTCCCACAT CACACAGAAA AATGGCATTC CTCTCTGTCT 180 CTCCCTGGCA TGGAGAGGGC AGACTGTGCA CATTTCACTA GGGTCCAAAT ACAGAAGGGC 240 CCAGGGCCCA GGGGCTTGCA GCTTCGTGAG GGGTCTCTGG CCCAGTTTCC AATGAATAAA 300 GTTCTCTTGA CAGCTCAAA 319  SEQ ID NO:1822 SEQUENCE LENGTH:315 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear								
SEQ ID NO:1821  SEQUENCE LENGTH:319  SEQUENCE TYPE:nucleic acid  TOPOLOGY:linear  CLONE:HUMGSO2070  SEQUENCE DESCRIPTION:  GATCCAAAAG CCAGTCTCAG GAGTTTACCC CTGGGATGGG GGATGCATCT NCACCTGACT 60  TTGGGGCCAC GTGCCCTGTG GCACCCCAGC TCACTGGGAG TCTCAGGAGG GATAACCGGA 120  TTTNTGCTCT TTCCCCTGTC ACTCCCACAT CACACAGAAA AATGGCATTC CTCTCTGTCT 180  CTCCCTGGCA TGGAGAGGGC AGACTGTGCA CATTTCACTA GGGTCCAAAT ACAGAAGGGC 240  CCAGGGCCCA GGGGCTTGCA GCTTCGTGAG GGGTCTCTGG CCCAGTTTCC AATGAATAAA 300  GTTCTCTTGA CAGCTCAAA 319  SEQ ID NO:1822  SEQUENCE LENGTH:315  SEQUENCE TYPE:nucleic acid  TOPOLOGY:linear			· ·		11100/10/1111	0010/111/1001	0.11.011.00	
SEQUENCE LENGTH:319 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02070 SEQUENCE DESCRIPTION: GATCCAAAAG CCAGTCTCAG GAGTTTACCC CTGGGATGGG GGATGCATCT NCACCTGACT 60 TTGGGGCCAC GTGCCCTGTG GCACCCCAGC TCACTGGGAG TCTCAGGAGG GATAACCGGA 120 TTTNTGCTCT TTCCCCTGTC ACTCCCACAT CACACAGAAA AATGGCATTC CTCTCTGTCT 180 CTCCCTGGCA TGGAGAGGGC AGACTGTGCA CATTTCACTA GGGTCCAAAT ACAGAAGGGC 240 CCAGGGCCCA GGGGCTTGCA GCTTCGTGAG GGGTCTCTGG CCCAGTTTCC AATGAATAAA 300 GTTCTCTTGA CAGCTCAAA 319  SEQ ID NO:1822 SEQUENCE LENGTH:315 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear		ibiroonaibiit ii		COOMUNEUM				020
SEQUENCE LENGTH:319 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02070 SEQUENCE DESCRIPTION: GATCCAAAAG CCAGTCTCAG GAGTTTACCC CTGGGATGGG GGATGCATCT NCACCTGACT 60 TTGGGGCCAC GTGCCCTGTG GCACCCCAGC TCACTGGGAG TCTCAGGAGG GATAACCGGA 120 TTTNTGCTCT TTCCCCTGTC ACTCCCACAT CACACAGAAA AATGGCATTC CTCTCTGTCT 180 CTCCCTGGCA TGGAGAGGGC AGACTGTGCA CATTTCACTA GGGTCCAAAT ACAGAAGGGC 240 CCAGGGCCCA GGGGCTTGCA GCTTCGTGAG GGGTCTCTGG CCCAGTTTCC AATGAATAAA 300 GTTCTCTTGA CAGCTCAAA 319  SEQ ID NO:1822 SEQUENCE LENGTH:315 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	30	SEO ID NO-18	321					
SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02070 SEQUENCE DESCRIPTION: GATCCAAAAG CCAGTCTCAG GAGTTTACCC CTGGGATGGG GGATGCATCT NCACCTGACT 60 TTGGGGCCAC GTGCCCTGTG GCACCCCAGC TCACTGGGAG TCTCAGGAGG GATAACCGGA 120 TTTNTGCTCT TTCCCCTGTC ACTCCCACAT CACACAGAAA AATGGCATTC CTCTCTGTCT 180 CTCCCTGGCA TGGAGAGGGC AGACTGTGCA CATTTCACTA GGGTCCAAAT ACAGAAGGGC 240 CCAGGGCCCA GGGGCTTGCA GCTTCGTGAG GGGTCTCTGG CCCAGTTTCC AATGAATAAA 300 GTTCTCTTGA CAGCTCAAA 319  SEQ ID NO:1822 SEQUENCE LENGTH:315 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear		•						
TOPOLOGY:linear  CLONE:HUMGS02070  SEQUENCE DESCRIPTION:  GATCCAAAAG CCAGTCTCAG GAGTTTACCC CTGGGATGGG GGATGCATCT NCACCTGACT 60  TTGGGGCCAC GTGCCCTGTG GCACCCCAGC TCACTGGGAG TCTCAGGAGG GATAACCGGA 120  TTTNTGCTCT TTCCCCTGTC ACTCCCACAT CACACAGAAA AATGGCATTC CTCTCTGTCT 180  CTCCCTGGCA TGGAGAGGGC AGACTGTGCA CATTTCACTA GGGTCCAAAT ACAGAAGGGC 240  CCAGGGCCCA GGGGCTTGCA GCTTCGTGAG GGGTCTCTGG CCCAGTTTCC AATGAATAAA 300  GTTCTCTTGA CAGCTCAAA 319  SEQ ID NO:1822  SEQUENCE LENGTH:315  SEQUENCE TYPE:nucleic acid  TOPOLOGY:linear		-		acid				
CLONE:HUMGS02070  SEQUENCE DESCRIPTION:  GATCCAAAAG CCAGTCTCAG GAGTTTACCC CTGGGATGGG GGATGCATCT NCACCTGACT 60  TTGGGGCCAC GTGCCCTGTG GCACCCCAGC TCACTGGGAG TCTCAGGAGG GATAACCGGA 120  TTTNTGCTCT TTCCCCTGTC ACTCCCACAT CACACAGAAA AATGGCATTC CTCTCTGTCT 180  CTCCCTGGCA TGGAGAGGGC AGACTGTGCA CATTTCACTA GGGTCCAAAT ACAGAAGGGC 240  CCAGGGCCCA GGGGCTTGCA GCTTCGTGAG GGGTCTCTGG CCCAGTTTCC AATGAATAAA 300  GTTCTCTTGA CAGCTCAAA 319  SEQ ID NO:1822  SEQUENCE LENGTH:315  SEQUENCE TYPE:nucleic acid  TOPOLOGY:linear		*		2012				
SEQUENCE DESCRIPTION:  GATCCAAAAG CCAGTCTCAG GAGTTTACCC CTGGGATGGG GGATGCATCT NCACCTGACT 60  TTGGGGCCAC GTGCCCTGTG GCACCCCAGC TCACTGGGAG TCTCAGGAGG GATAACCGGA 120  TTTNTGCTCT TTCCCCTGTC ACTCCCACAT CACACAGAAA AATGGCATTC CTCTCTGTCT 180  CTCCCTGGCA TGGAGAGGGC AGACTGTGCA CATTTCACTA GGGTCCAAAT ACAGAAGGGC 240  CCAGGGCCCA GGGGCTTGCA GCTTCGTGAG GGGTCTCTGG CCCAGTTTCC AATGAATAAA 300  GTTCTCTTGA CAGCTCAAA 319  SEQ ID NO:1822  SEQUENCE LENGTH:315  SEQUENCE TYPE:nucleic acid  TOPOLOGY:linear	95							
GATCCAAAAG CCAGTCTCAG GAGTTTACCC CTGGGATGGG GGATGCATCT NCACCTGACT 60 TTGGGGCCAC GTGCCCTGTG GCACCCCAGC TCACTGGGAG TCTCAGGAGG GATAACCGGA 120 TTTNTGCTCT TTCCCCTGTC ACTCCCACAT CACACAGAAA AATGGCATTC CTCTCTGTCT 180 CTCCCTGGCA TGGAGAGGGC AGACTGTGCA CATTTCACTA GGGTCCAAAT ACAGAAGGGC 240 CCAGGGCCCA GGGGCTTGCA GCTTCGTGAG GGGTCTCTGG CCCAGTTTCC AATGAATAAA 300 GTTCTCTTGA CAGCTCAAA 319  SEQ ID NO:1822 SEQUENCE LENGTH:315 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	35							
TTGGGGCCAC GTGCCCTGTG GCACCCCAGC TCACTGGGAG TCTCAGGAGG GATAACCGGA 120 TTTNTGCTCT TTCCCCTGTC ACTCCCACAT CACACAGAAA AATGGCATTC CTCTCTGTCT 180 CTCCCTGGCA TGGAGAGGGC AGACTGTGCA CATTTCACTA GGGTCCAAAT ACAGAAGGGC 240 CCAGGGCCCA GGGGCTTGCA GCTTCGTGAG GGGTCTCTGG CCCAGTTTCC AATGAATAAA 300 GTTCTCTTGA CAGCTCAAA 319  SEQ ID NO:1822 SEQUENCE LENGTH:315 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear				GAGTTTACCC	CTGGGATGGG	GGATGCATCT	NCACCTGACT	60
TTTNTGCTCT TTCCCCTGTC ACTCCCACAT CACACAGAAA AATGGCATTC CTCTCTGTCT 180 CTCCCTGGCA TGGAGAGGGC AGACTGTGCA CATTTCACTA GGGTCCAAAT ACAGAAGGGC 240 CCAGGGCCCA GGGGCTTGCA GCTTCGTGAG GGGTCTCTGG CCCAGTTTCC AATGAATAAA 300 GTTCTCTTGA CAGCTCAAA 319  SEQ ID NO:1822 SEQUENCE LENGTH:315 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear		*						
CTCCCTGGCA TGGAGAGGCC AGACTGTGCA CATTTCACTA GGGTCCAAAT ACAGAAGGGC 240 CCAGGGCCCA GGGGCTTGCA GCTTCGTGAG GGGTCTCTGG CCCAGTTTCC AATGAATAAA 300 GTTCTCTTGA CAGCTCAAA 319  SEQ ID NO:1822 SEQUENCE LENGTH:315 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear								
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GTTCTCTTGA CAGCTCAAA 319  SEQ ID NO:1822  SEQUENCE LENGTH:315  SEQUENCE TYPE:nucleic acid TOPOLOGY:linear								
SEQ ID NO:1822 SEQUENCE LENGTH:315 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear						0000		
SEQUENCE LENGTH:315 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear		oriororium (	go i omu					
SEQUENCE LENGTH:315 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	AE.	SEQ ID NO:18	322					
SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	70	-						
TOPOLOGY: linear				acid				
		•		<b>-</b>				
CLONE: HUMGS02071								

	SEQUENCE DESCRIPTION:					
	GATCATCAGA TGGTCGAGTA	CTCTTGGAAT	CTCTCTTTGC	TGTTTACTGT	GGCCTCTTTA	60
	CAATGGTGAG ACTTATTTCT					
_	AATACTAGTC TGAGCAGCCC					
5	TTGTTCAGTG TAGTCATTTC					
	TTTTATAGAG CATGTGTTTG					
		ICIACINGII	IUICIACIAI	ANIAIGICII	IAAIAAAUCI	315
	AAAANCATTC TGAAA					313
10	CEO ID NO. 1922					
	SEQ ID NO:1823			•		
	SEQUENCE LENGTH: 315	:-				
	SEQUENCE TYPE:nucleic	aciu				
	TOPOLOGY: linear					
15	CLONE: HUNGS02072	•				
	SEQUENCE DESCRIPTION:	# 1 # # # # # # # # # # # # # # # # # #	C + TTC C C TTT	CCTCCACCAC	<i>ርተነተተተርርነር</i>	60
	GATCGCTTTT TTGCCGCTCA					
	AAGACTAGGG GGAGGTTGAG					
20	TAGCTNNNNT TCATGCTCTT					
	TTAAACATGA CTCATCTCTT					
	ACTTGTTAGA AACAGAATAA	TTACCTTTGC	TTACTCCATT	ATCAACACTT	GGAGATAGAG	
	ACTTTACACT TCAGN					315
25	SEQ ID NO:1824					
25	SEQUENCE LENGTH: 332					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	aciu				
	CLONE: HUMGS02073					
30	SEQUENCE DESCRIPTION:					
	GATCGAAAAG GGACCCTGCT	TCCAATTTCC	CTCTTCCATT	CCTCGAGCTA	CTCCAGGGCT	60
	TAGAAGAATG CTCTTGGTCT					
	CTTTCAAGTG ACAATCCTCT					
0.5	GCCTGACTTT NATGCCCTAA					
35	GTCTTTATAT CTGACTGTAT					
	TGCAATAAAG TTTGTTTTGG					332
	ICCANIAAA IIIUIIIIUU	Chomidanan				
	SEQ ID NO:1825					
40	SEQUENCE LENGTH: 311					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUNGS 02074					
45	SEQUENCE DESCRIPTION:					
· <del>-</del>	GATCAAGGCG CGGACGCTAT	CTACGACCAC	ATCAACGAGG	GGAAGCTGTG	GAAACACATC	60
	AAGCACAAGT ATGAGAACAA					
	GTCCACCCAG CAGCTGTTTG					
	ACTCTTCATG GACCACCATT					
50	TTTACCTTCT GCTGTGTTTG					

	TGCCCTTGAA A	311
5	SEQ ID NO:1826 SEQUENCE LENGTH:309 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
10	CLONE: HUMGS02075  SEQUENCE DESCRIPTION: GATCTAGTGT TTGGAACGGA CGTTACCTGC TGGTTTGTGC ACAACAGTGG AAAAGGATTC ATTGACGGGC ATTACAAGGA TTACTTCGTG CCTNAGCTCT ACAGCTTTCT CAAACGGCCT TAAAGGTTTA TAGTTTGGGA AATTATATAT TATTATACAT CTTTCCCCTG TCACTTTTGC AGATATTCTT CGGTNCCNAT AATTAAAATG AACCAGATAT CAGGGTGGTT AATTAAAATG AACCAGATAT CAGGGTGGTT TATAAAAGCCT GTAAACACAC CTNAGAAAAT ANACATTTTA	180 240 300
	CANATGAAA	309
20	SEQ ID NO:1827 SEQUENCE LENGTH:301 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02076	
25	SEQUENCE DESCRIPTION: GATCATGAAT AACTGATTAG TAAGTCTTGC CTATATTTTC CTGATAGCAT ATGACAAATG TTTCTAAGGT AACAAGATGA GAACAGATAA AGATTGTGTG GTGTTTTGGA TTTGGAGAGA AATATTTTAA TTTTTAAATG CAGTTACAAA TTATAATGTA TTCATATTTG TACTTTCTGT TAAAATGCAT GATTGCAGAA TTGTTTAGAT TTTGTGTTTA TTCTTGATGA AAAGCTTTGT	120 180 240
30	TTGTTCTTGT TTTTAAGTTT GCACTCAAAT CTTAAGAAAT AAATCCACCC ATGTTATCAA	300 301
<b>35</b>	SEQ ID NO:1828 SEQUENCE LENGTH:298 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO2077	
40	SEQUENCE DESCRIPTION: GATCAGTGAA CTCTGGTTTT AAGATAATCT GAAACAAGGT CCTTGGGAGT AATAAAATTG GTCACATTCT GTAAAGCACA TTCTGTTTAG GAATCAACTT ATCTCAAATA GTAACTCGGG GCCTAACTAT ATGAGATGGC TGAAAAAATA CCACATCGTC TGTTTTCACT AGGTGATGCC AAAATATTTT GCTTTATGTA TATTACAGTT CTTTTTAAAA CACTGGAAGA CTCATGTTAA ACTCTAATTG TGAAGGCAGA ATCTNTGCTA ATTTTTCAGA TTAAAATTCT CTTTGAAA	120 180
45	SEQ ID NO:1829 SEQUENCE LENGTH:293 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
50	CLONE - DIMCCO2020	

	SEQUENCE DESCRIPTION:					
	GATCCCTTAT CCAACATGGT	TCTAACCTTC	AGTACTAAAG	AAGATGCAGT	TTCCTTTGCA	60
	GAAAAAATG GATGGAGCTA	TGNCATTGAA	GAGAGGAAGG	TTCCAAAACC	CAAGTCCAAG	120
5	TCTTATGGTG CAAACTTTTC	TTGGAACAAA	AGAACAAGAG	TATCCACAAA	ATAGGTTGGC	180
	ACTGACTATA TCTCTGCTTG	ACTGTGAATA	AAGTCAGCTG	TNCAGTATTT	ATAGTCCATG	240
	TATAATAAAT ACATCTCTTA	ATCTCCTAAT	AAATTGGACC	TTTAAACTAC	AAA	293
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	SEQ ID NO:1830					
10	SEQUENCE LENGTH: 291					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS02079					
15	SEQUENCE DESCRIPTION:					
	GATCANNATT TGAAAAGGNT	TTCTAGAAAT	TNGGGGTAAG	AAGTACTACC	AAAATGTAAC	60
	TNCTAATCAA GGGTGATGCA	CAGCAAAAGC	AATGGACCCC	ATCCCTCTAA	AGCCTGCCCT	120
	CCTTTGCCTT CAACTGTATA	TGCTGGGTAT	TTCATTTGTN	TTTTATTTT	GGAGAAAGCG	180
	NTTTTAACTG CAACTTTCTA	TAATGCCAAA	NTGACACATC	TGTGCAATAG	AATGATGTCT	240
20	GCTCTAGGGA AACCTTCAAA	NGCANTAAAA	ATGCTGTNTT	GAAATGCCAA	A	291
	SEQ ID NO:1831					
	SEQUENCE LENGTH: 288					
25	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS02080					
	SEQUENCE DESCRIPTION:					
20	GATCTGGGCC TGAATAAGGG					60
30	TCTGTCTATC ACGTTCATCT	CCATGTTCTN	GGAGGTCGGC	AAATGCATTG	GCCTCCTGGT	120
	TAAGCACGTT TTGGGGATAA					
	AGTATGTTAA GTAACACACT				AAATAATTTT	
	AAAACCGCAT ACATAATAAA	AGACATTGTT	GCATGGCTTA	TAGTCAAA		288
35						
	SEQ ID NO:1832					
	SEQUENCE LENGTH: 288					
	SEQUENCE TYPE: nucleic	acid				
40	TOPOLOGY: linear					
<del></del> -	CLONE: HUMGS02081					
	SEQUENCE DESCRIPTION:					
	GATCCAGCCT TAATNTTTTT					
	TCAGACTTAA TACTGTNAGG					
45	TCTCGCATCA TGTCTGCATT					
	ACAAAAACCC AGGACATTTT				GIGAATTTTT	
	ATACAAACAC TGTTCTATGA	GTTATATAAA	ATGTTATAAA	ACTAGAAA		288
	0P0 ID NO. 1000					
50	SEQ ID NO:1833					

5	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO2082 SEQUENCE DESCRIPTION:	acid				
10	GATCCTGAGA ACTTCAGGCT GGCAAAGAAT TCACCCCACC AATGCCCTGG CCCACAAGTA GTTCCTTTGT TCCCTAAGTC TCTGGATTCT GCCTAATAAA	AGTGCAGGCT TCACTAAGCT CAACTACTAA	GCCTATNAGA CGCTTTCTTG ACTGGGGGAT	AAGTGGTGGC CTGTCCAATT ATTATGAAGG	TGGTGTGGCT TCTATTAAAG	120 180
15	SEQ ID NO:1834 SEQUENCE LENGTH:282 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO2084	acid				
20	SEQUENCE DESCRIPTION: GATCTCATGG GCTTTCCCTG AAACTTGTAA ACAAGAGATG NCAAAACCTG AGAGCACTTT AGGATTTNCA TTTTNCCCTT	TCTGTAGCTT TCCTTTGTTT TATTGCCTCA	TTTTNCCCAT AGAATTATGA TTTCTTGTGA	CTGTAGTGTA GAAAGGCACT CGCCTTGTTG	TGTNAAGATT AGATGACTTN	120 180 240
25	TCTGTTTATT TTTNCCTACA	AATAAAAAGC	TAAGATTCTA	AA		282
30	SEQ ID NO:1835 SEQUENCE LENGTH:279 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02085	acid				
35	SEQUENCE DESCRIPTION: GATCTTAAGC TTTGATAAGA TTCCATCCAG GACTGGGTTC GCCCTTGCCT GAAAGCAAGN GAGTNGATGC GATAAGATNN AATCAATAAA GAGCTTTCTT	AGAAGACCAT CTTCAGCCTG GGTTTGAAGC	AGCTGAGAAC GAAGAGGGCA TGATGGGTGC	TAATGCAAGG AAGTGGACGG	CTGGCCGGAA GAGTGGACAG	120 180
40	SEQ ID NO:1836 SEQUENCE LENGTH:275 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
45	CLONE: HUMGS02086 SEQUENCE DESCRIPTION: GATCCATAGT GCTACCTGCA					
50	CTTACGTCGC CATAAAGGCC TTTNATTAGA AAGGACTGTA GTAAATAAAT TGTAATATAG TCTGCTGTAC ATTATTAAAA	AAATAGCCAC GAAATCTTTT	TTAGACACTT GTTTTAATAT	TACCTCTTCA	GTATGCAAAT	180

5	SEQ ID NO:1837 SEQUENCE LENGTH:269 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02087 SEQUENCE DESCRIPTION:	acid				
10	GATCCGAAGA GGAACTCCTG AGTTATTAAA GGACAAAGTC CCATTCTGCT GACTTCTTAC CTCAAATTTT GCTTTTTGAC TTTTATGCGA NAAATAAAAT	AAGCTTGTGA TTTCACTGCT GCNGTATTTT	AATGAACATT GTTTATAAAA	TGTGTATTTA TGTGTAATGA	AAANTTGAAT ATTCTAACAA	180
15	SEQ ID NO:1838 SEQUENCE LENGTH:268 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
20	CLONE:HUMGS02088 SEQUENCE DESCRIPTION: GATCTCATTG TTTATTAACC TTGTAAGCTC AGGTTCAAAG					
25	TGGAGAGAAT TGGAATGGGT TCACATCTTT AGTGTCTGAA GAAATAAAGC ATTTTTGGGA	TATATCCAAA				
30	SEQ ID NO:1839 SEQUENCE LENGTH:265 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02089	acid .				
35	SEQUENCE DESCRIPTION: GATCTATCTA AATATATAA GTTTGGAAGA TATTAACATA AATGCAATAT TGTATAATTC TTATAAAGTT TTAAAAATTA AAAATTTTTC CTTTTTATGA	ATGGGCATCT CTGGATGATG TCAATATGAG	TAGAATCATA CAATTGTTTT	AATCACATGA AATTGANTTT	AATGAGAGAC TCAAGTGCCA	180
40		417001				200
45	SEQ ID NO:1840 SEQUENCE LENGTH:261 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02090	acid				
	SEQUENCE DESCRIPTION: GATCATAAAA CCTTCATTCC	ATAGGTACCC	TTTATCCTCA	CAGATACAGA	GACACCAAGA	60

55

50

AGAATCTGGA CAAATAGGAC TTGCTAAGTT CTCCACAGTT TATTACCATT AGATTATGTC 120

	CTTTTGTNCT CTGATTATAC TTCTGCATAA GACTGTACAT AAAANTACAC AAGTTTTCCT 180 ATTTNTTTTT TGTCTTCATT TCTGAAGATT CCTGTCATGT AAAACTTACA GTAAATAAAT 240
	GTGTGTGCTT TTNTCAATAA A 261
5	
	SEQ ID NO:1841
	SEQUENCE LENGTH: 263
	SEQUENCE TYPE: nucleic acid
10	TOPOLOGY: linear
70	CLONE: HUMGS02091
	SEQUENCE DESCRIPTION:
	GATCAGGTTA GGGCGAGCGC TACCTCTCCA GCCTCAGCTC TCAGTTGCAG CCCTGCTNAT 60
	GCCTGCTTGG ACTTGGCCCC TGCCACCTCC NGCCTCAGGT GTCCGCTATC CACCAAAAGG 120
15	GCTCCCTGAG GGTCTGGGCA AGGGACCTGC TTCTATTAGC CCTTCTCCAT GGCCCTGCCA 180
	TGCTCTCCAA ACCACTTTTT GCAGCTTTTT CTAGTTCAAG TTCACCAGAC TCTATAAATA 240
	AAACCNGACA GACCATGAAC AAA 263
	SEQ ID NO:1842
20	SEQUENCE LENGTH: 264
	SEQUENCE TYPE:nucleic acid
	TOPOLOGY: linear
	CLONE: HUMGS02092
25	SEQUENCE DESCRIPTION:
	GATCAGAAAG AAACCTTTTG TAGCAATATC AAGAATCTAG TTTCATCTGA GAACTTCTGA 60
	TTAGCTCTCA GTCTTCAGCT CTATTTATCT TAGGAGTTTA ATTTGCCCTT CTCTCCCCAT 120
	CTTCCCTCAG TTCCCATAAA ACCTTCATTA CACATAAAGA TACACGTGGG GGTCAGTGAA 180
	TCTGCTTNAN NATCCTGAAA GTTTCTGGGG CTTAAGATTC CAGACTCTGA TTCATTAAAC 240
30	TATAGTCACC CGTGTCCTGT GAAA 264
	SEQ ID NO:1843
	SEQUENCE LENGTH: 246
35	SEQUENCE TYPE:nucleic acid
	TOPOLOGY:linear
	CLONE: HUMGS02093
	SEQUENCE DESCRIPTION:
40	GATCAAATGT CACACAGCAG TTTCCTTGCA ACACTTTCAG CTCCCCATGC TCCAGAATAC 60
40	CCACCCAAGA AAATAATAGG CTTTAAAACA ATATCGGCTC CTCATCCAAA GAACAACTGC 120
	TGATTGAAAC ACCTCATTAG CTGAGTGTAG AGAAGTGCAT CTTATGAAAC AGTCTTAGCA 180
	GTGGTAGGTT GGGAAGGAGA TAGCTGCAAC CAAAAAAGAA ATANATATTC TATAAACCTT 240
	CAGAAA 246
<b>4</b> 5	
	SEQ ID NO:1844
	SEQUENCE LENGTH: 243
	SEQUENCE TYPE: nucleic acid
50	TOPOLOGY: linear
50	CLONE: HUMGS02094

	SEQUENCE DESCRIPTION:					
	GATCTGTGTG CATGTNTGTG	TTTGTGTATA	TATACATATC	TAGGGCTAGT	ACTTAGTTTC	60
	ACACCCGGGA GCTGGGAGAA					
_	AGAAAAATCG CGCACTTGCG					
5	NCCGGGAAAA TTTTNCTGTC					
	AAA		17888101117		UNMINUUMU	243
	AUA.					743
	SEQ ID NO:1845					
10	SEQUENCE LENGTH: 240					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS02095				٠	
15	SEQUENCE DESCRIPTION:					
	GATCTAGTGA ACATTCGACC	TCCATTACGG	AGAGTTTCCT	ATGTTTCACT	GTGCAAATAT	60
	ATCTGCTATT CTCCATACTC	TGTAACAGTT	GCATTGACTG	TCACATAATG	CTCATACTTA	120
	TCTAATGTTG AGTTATTAAT	ATGTTATTAT	TAAATAGAGA	AATATGATTT	GTGTATTATA	180
	ATTCAAAGGC ATTTCTTTTC	TGCATGTTCT	AAATAAAAAG	CATTATTATT	TGCTGAGAAA	240
20						
•	SEQ ID NO:1846					
	SEQUENCE LENGTH: 239					
	SEQUENCE TYPE:nucleic	acid				
25	TOPOLOGY:linear					
	CLONE: HUMGS02096					
	SEQUENCE DESCRIPTION:					
	GATCTAAGCA GCGTTCCCAC	AGCCCCCTCT	AGATTCTTGG	AGTTCCGCAG	AGCTTACTAT	60
	ACGCGGTCTG TCCTAATCTT	TGTGGTGTTC	GCTATCTCTT	GTGTCAAATC	TGGTGAACGC	120
30	TACGCTTACA TATATTGTCT	TTGTGCTGCT	GTNTGACAAA	CGCAATGCAA	AAACAATCCT	180
	CTTTCTCTCT CTTAATGCAT	GATACAGAAT	AATAATAAGA	NTTTCATCTT	TAAATGAAA	239
	SEQ ID NO:1847					
35	SEQUENCE LENGTH: 231					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS02097					
40	SEQUENCE DESCRIPTION:					
	GATCCATCCT CTCTCCTAGC					
	CAAGCTGGGA AATCCTCAGG					
	TCCTTGGCCT GTCCCCAGAT					
	ACATGGAATT TCCCAGTTAT	GAAATTAATA	AAAATCAATG	GTTTCCACAA	A	231
45	SEQ ID NO:1848					
	SEQUENCE LENGTH: 231	•				
	SEQUENCE TYPE:nucleic					
	TOPOLOGY: linear	actu				
50	CLONE: HUMGS02098					
	しかいいた、11011030と030					

	SEQUENCE DESCRIPTION:					
	GATCCAAAAT GCTGACAGGT	TCAAACAAAA	TTGGAATTGA	AAATCAGAGT	GCGTTCAAGA	60
	GTATCAAACA ATACTATCTT	GTTACTTGCT	TATTACCTTA	GTAGACTGGA	AGCAACACTT	120
5	CACACAAAAA AAGGGTTTGG	ATGTAATTTC	GGATAAGAAG	AGATGTTTCT	GTAAAGTCTT	180
	TCCTGAGANG CATATTATTT	GAGAAAAACA	CATATTTCTG	TTTTTAGTAA	A	231
	SEQ ID NO:1849					
10	SEQUENCE LENGTH: 228					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGSO2099 SEQUENCE DESCRIPTION:					
15	GATCTACCAT GTAAAATGTT	GTAGAGATAG	AGCCATATAA	CGTCACGTTT	CAAAACTAGC	60
	TCTACAGTTT TGCTTCTCCT					
	ACTITAATCA CAAAGGATGG					
	ACCTGAATTG GAAAGGATGT					228
20						
20	SEQ ID NO:1850					
	SEQUENCE LENGTH: 236					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
25	CLONE: HUMGS02100					
	SEQUENCE DESCRIPTION:					
	GATCTACCGG CCCCGCTGGG					
	CACCCCTGA CAACTTCTGC					
30	TAAAGCAGAG GAGCCNGTNC					
	CCCACGTTCT CTGCTGACAT	CUCCULATAA	AGGACCCTAA	CITINGGNNN	LNNAAA	236
	SEQ ID NO:1851					
	SEQUENCE LENGTH: 227					
35	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS02101					
	SEQUENCE DESCRIPTION:	0010015105	CTTCTCTCTCT	C1C11TCT1T	TO 1 TO 1 TOO 1	60
40	GATCTATGGT TTCTGCCTAC AATGTTCTGG AACTAAATAG					
	CTGATTTGTA CGTATTTAAT					
	TTTNACCATA ATAAAAATAT				IIIAIGIAIA	227
45	SEQ ID NO:1852					
	SEQUENCE LENGTH: 229					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS 02102					
50	SECUENCE DESCRIPTION.					

	GATCTTTGGA CCAGTTTCTA	GCAAAGTTGT	GTTTGAAAGA	TACTCTATTA	AAGAAGACTG	60
	TGGAATCTTT TTATCGGTGC	CCATTATATC	CTTAAGTTTG	GATATTTAGC	TGACCTTCGC	120
5	TTTAACATAG GTCTAATTTA	TTTGCCGTGT	CATTTTCCAT	ACAAATCAGT	TGATTTAAAA	180
-	AAGTTCATTT CTCATACTGT	GCATTAAAAT	AAAAATTTGA	ACAATTAAA		229
	SEQ ID NO:1853					
	SEQUENCE LENGTH: 224					
10	SEQUENCE TYPE:nucleic	acid				
•	TOPOLOGY: linear				•	
	CLONE: HUMGS02103					
	SEQUENCE DESCRIPTION:					
15	GATCTCCTGT TTTTTTCAGG	CTCCTAAAGT	AACATCAGCC	ATNTTTNAGA	TTGGTTCTGT	60
	TTTCGTACCT TCCCACTGGC	CTCAAGTGAG	CCAAGAAACA	CTGCCTGCCC	TCTGTCTGTC	120
	TTCTCCTAAT TCTGCAGGTG	GAGGTTGCTA	GTCTAGTTTC	CTTTTTGAGA	TACTATTTTC	180
	ATTTTTGTGA GCCTCTTTGT	AATAAAATGG	TACATTTCTA	TAAA		224
•	- · · · · · · · ·				•	
20	SEQ ID NO:1854					
	SEQUENCE LENGTH: 223					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
25	CLONE: HUMGS02104		-			
	SEQUENCE DESCRIPTION:					
	GATCAAGGCC GGACCCCACT	GCCCCACTGC	CCAACTGATA	GCCACGCTGA	NNGAATGGAA	60
	GGAAAATTTG CTTGGACCTG	CAAGCCCCGC	TGTACAAGAA	AATAATTAAG	AAACTTTTGG	120
	AGAGTTAGCT ACTAGCTGCC	TACGTGTGTN	CATTTGCTAT	ATAGCATACT	TCTTTTTTCC	180
30	AGTTTCAATC TAACTGTGAA	AGAACTTCTG	ATATTTTGTG	TTN		223
	SEQ ID NO:1855					
	SEQUENCE LENGTH: 227					
35	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS02105					
	SEQUENCE DESCRIPTION:					
	GATCCTAGTA ATTGCCTAGA					
40	TATTTTTATA CGGAAAAAAT					
	TGGTATAATT ATGGTGGGTG				TTACTACTGT	
	GGAAAGACAA CTGTTTTAAT	AAAAGATTTA	CATTCCAAAA	AAACAAA		227
•						
45	SEQ ID NO:1856					
	SEQUENCE LENGTH: 219					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
50	CLONE: HUMGS02106					
00	SEQUENCE DESCRIPTION:			MM + MAG + C **	ጥ// / / ተ/	60
	GATCTATACA AAGTCTTTGA	GAGGTGTTAA	ATATGGTTAT	TTATGCACTG	TUUUATGTGT	60

	TCTTCTTTCT CTGTATTC CAACATAAGT GTTGGTAC CACAGTGGAT TGATTAT	GCA CNTAAGACTI	ATACTTGCCT			
5	SEQ ID NO:1857 SEQUENCE LENGTH:21	)				
10	SEQUENCE TYPE:nucle TOPOLOGY:linear CLONE:HUMGS02107	eic acid				
	SEQUENCE DESCRIPTION GATCAAGAAA GACAAAAA GAGTAACGCG GAGTGTC	AGC CAGCCTGCAG				
15	GTGTCAAGAA AATAAGA GAACTGGGAA AAATATA	ACC AGAAGTCATA	GGGACAGTGA			
	SEQ ID NO:1858 SEQUENCE LENGTH:21	)				
	SEQUENCE TYPE:nucle TOPOLOGY:linear CLONE:HUMGSO2108					
25	SEQUENCE DESCRIPTION GATCTGTCGG AACCAGGA AAGCGCAGGA GAGCCTGG TTTTGGTTTT GGGGTTTT AACCTCATCT NTCAGAAA	ACA CAAAAGCAGO CGA ACGCAAAANI TTT TTTTNAAATI	GAATGAGGGC GTTTTGACTT	TTTTTGTGGC	TGGGGATGGG	120
30	SEQ ID NO:1859 SEQUENCE LENGTH:21 SEQUENCE TYPE:nucl	7				
35	TOPOLOGY:linear CLONE:HUMGSO2110 SEQUENCE DESCRIPTION GATCTGAAGA AATTACC		. AGANAAATTT	GCGCTAATGA	TGCAATTCCC	60
40	AAGACGTGCA AGAGGAA AACGATGAAT CAAGTGA' GAATTGAAAA TAAATAA'	NAC TATTATAACT	GTAGACCAAG ATGACTGCAG	ATTTGGGGGA	ATTGGAACTA	
45	SEQ ID NO:1860 SEQUENCE LENGTH:21 SEQUENCE TYPE:nucl					
	TOPOLOGY:linear CLONE:HUMGSO2111 SEQUENCE DESCRIPTI			<b></b>		
50	GATCCATTTC TTTAAAA					

	TTTCAAAGAA AAATTACCGT			ACTAAATAGG	ATGTGATTCA	
_	GCTACATTAA TTTCTTAATA	CAAICTAGGA	AAGAAA			216
5	SEQ ID NO:1861					
	SEQUENCE LENGTH: 213					
	SEQUENCE TYPE:nucleic	acid				
10	TOPOLOGY: linear					
10	CLONE: HUMGSO2112 SEQUENCE DESCRIPTION:					
	GATCCTTTTC TTGAAAGAAT	AACAGAAAAT	CTCTCATCCA	<b>ተ</b> ሞተሞተር ለር ላ ለ	T.T. 10010T	60
	CAAGCTACTG GCACATAGTG					
	TTAGTATNGT AATTAAATGT					
15	TGTNGCAAAA TATATCACTT					213
	SEQ ID NO:1862					
	SEQUENCE LENGTH: 210					
20	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS02113					
	SEQUENCE DESCRIPTION:	ACAATCAACA	<b>ጥ</b> ለ ምጥጥጥ ለ ጦ ለ ጦ	T10111011	CALATOROGO	co
25	GATCTATCTC ATCAAACAAC GGAATAAACT TTTGAAACAC					
	TGGATTCACC ATCTGTTGAG					
	AAGCCAGCAT TTGTATTTTG			41111111414		210
30	SEQ ID NO:1863					
	SEQUENCE LENGTH: 209					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
35	CLONE: HUMGSO2115					
	SEQUENCE DESCRIPTION:	<b></b>			2221221112	
	GATCGGGGCT GCCAGAGGGN					
	GAAGAGAGAA ACTCTTCAGC ATTTTATGCC ATAAAAGACC					
40	AATTATAATA AAGCCCCAAA		IUIIIMMAC	Idiadonici	IUMAAAUMA	209
	SEQ ID NO:1864					
	SEQUENCE LENGTH: 208					
45	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear				•	
	CLONE: HUMGS02116					
	SEQUENCE DESCRIPTION:	111717777	1 1 TTCTCTCTTC	<b>ጥጥሮ እ</b> ር ነ ር ነ ጥር	TT	60
50	GATCTGGAGC AACAGCTAGG ATTACACGTG GGAGCTTTCC					
	TGTTTAAAAT CCAAATGAGA					

	AATAAACCTT CCTTCTTAAC	CATTCAAA				208
5	SEQ ID NO:1865 SEQUENCE LENGTH:201 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02117	acid				
10	SEQUENCE DESCRIPTION: GATCTATACT TAGAATGCAA AGACAAAGCA AACAAACAAC GAAGCNAAAG CAACGTTTGC CCAATTTATA CGTGCAATAA	TGGAAGTGGT CATNNGATAT	AATCAATTCA	ACAGGCCTTC	TGAATTNTCT	120
15						
20	SEQ ID NO:1866 SEQUENCE LENGTH:200 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUNGSO2118 SEQUENCE DESCRIPTION:	acid				
25	GATCATGAAG GTATCCACAC TTGAAACTAC ACTTTTTTGG CCTTTGTCTG TCTCATCTCT AAATACATGT TAAATGGAAA	TCTGTTTTTG	TGCTAGACTG	TAAGTTCCTT	GGGGCAGGG	
30	SEQ ID NO:1867 SEQUENCE LENGTH:202 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02119	acid				
35	SEQUENCE DESCRIPTION: GATCACATTT TGAAATGCCT AAAATAGCTC TTTTATGAAT CATCTAAAAN CTTTCTGTTT AAATAAGCTT AANGGCACCA	TAGCTGATAA NCTGGGGTCT	GGCTGTATGT	TTCTGGAACA	AAATATTGGT	
40	SEQ ID NO:1868 SEQUENCE LENGTH:200 SEQUENCE TYPE:nucleic	acid				
45	TOPOLOGY:linear CLONE:HUMGSO2120 SEQUENCE DESCRIPTION: GATCAGGCCC TTCTTCCCAC GTGACAACAT TTTTGTACAT					60 120
50	AAACTCTCAA GCAGACGTGA AATAGCACAT GATTTTCAAA		TTGAAAAAG	TATAGGATAA	ATTACATTAA	180 200

5	SEQ ID NO:1869 SEQUENCE LENGTH:194 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO2121 SEQUENCE DESCRIPTION:	acid				
10	GATCTNTNTG TTCATTGTAT GTATAATTAA TAATTGTCTA GGTCTCCACA GAGTTTATGC TGGTGANGCA TAAA	GGGGGGAAAA	ATGAAGCAAA	TNTCATTGGA	TATTTTTAAA	
15	SEQ ID NO:1870 SEQUENCE LENGTH:190 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUNGS02122 SEQUENCE DESCRIPTION:	acid				
20	GATCCAATAC TATTTAGTTT TTGTTTACAT GTTACTTTGA TTGTACTNAN TTTTTAAATC ATTTCATAAA	GATGCTAGGT	ATTTGTGGAA	TTAAAAAGAA	TCAGGCTCTT	
25	SEQ ID NO:1871 SEQUENCE LENGTH:188 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
30	CLONE:HUMGS02123 SEQUENCE DESCRIPTION: GATCGAACAG TTTTGAAGCT GCTGTACATC TATTTTGGAT AACTTCTTAT GGAATTNATT	TGTATATTGT	GTTTGTGTAT	TTACGCTTTG	ATTCANNAGT	
35	AGAGCAAA	TUCKTTURKC	nonano i u i n	ARTAGORIGA	IBIT GGOT GIBT	188
40	SEQ ID NO:1872 SEQUENCE LENGTH:184 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
45	CLONE:HUMGS02124 SEQUENCE DESCRIPTION: GATCCTATTT ATTTGTTTAG TTAGAGATTT TCCATGTCNT TNTATTATAA TCCTNNGATG	TTGTTAAGTT	TATTCCTAGG	TATTTTATTT	TTTATGGTAT	120
	NNNN				_ ,====================================	184

	SEQ ID NO:1873 SEQUENCE LENGTH:181					
	SEQUENCE TYPE:nucleic	acid				
5	TOPOLOGY: linear					
	CLONE: HUMGS02126					
	SEQUENCE DESCRIPTION:					
	GATCCAAGTN CTGACTTTTC	CCCCTGACAG	CTGTGTGACC	TTCGTGAAGT	CGCCAAACCT	60
	CAAATGAGCC CCAGTCATTG	CTAGTAAGAC	CTGCCTTTGA	GTTGGTATGA	TGTTCAAGTT	120
10	AGATAACAAA ATGTTTATAC	CCATTAGAAC	AGAGAATAAA	TAGAACTACA	TTTCTTGCAA	180
	· <b>A</b>					181
	SEQ ID NO:1874					
15	SEQUENCE LENGTH: 181					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS02127					
20	SEQUENCE DESCRIPTION:					
	GATCTTAAAT TTTCTCATCT					60
	TATGTATTTC GCAATGTGTA					
	TTTAATTTTT GTCAATTACT	CTTTAAACCT	TAATAAAGTT	GATAAAACAT	TCTTTTTAA	
	A					181
25	SEQ ID NO:1875					
	SEQUENCE LENGTH: 179					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
30	CLONE: HUMGS02128					
	SEQUENCE DESCRIPTION:			•		
	GATCAGGTTA GCAAATGATG	TAAAAGAAGC	TTTATTGTCT	AGTTGTTTTT	TTTCCCCCAA	60
	GACAAAGGCA AGTTTCCCTA					
35	AAAAGGCAAG GCACAACAAA	AAAATATCCT	GGGCAATAAA	AAAANTATTT	TAAACCAAA	179
	SEQ ID NO:1876					
	SEQUENCE LENGTH: 178					
-	SEQUENCE TYPE: nucleic	acid				
40	TOPOLOGY: linear					
	CLONE: HUMGS02129					
	SEQUENCE DESCRIPTION:					
	GATCCGGGAG CACACCGTTT					
45	CCGCAGTGAG AGAGTGGCTG					
	GCCAGCTCCG CGCCAGGATG	GCGANGGAAC	TCAATAAAGT	GCTTTGAAAA	TGCTGAAA	178
	SEQ ID NO:1877					
50	SEQUENCE LENGTH: 175					
	SEQUENCE TYPE:nucleic	acid				

5	TOPOLOGY:linear CLONE:HUMGS02130 SEQUENCE DESCRIPTION: GATCATTCTC CGAAAGCAAC TCCTGACAAT TAAGCATTTT TTTCTCCAAA TACAAAGTAT 6 ATTCTCTTTA TTGGAAAATA AATTAATAAA TATATTCTGT ATTTTNNCTC TCCGTGAAAA 12 ACAAAAGAGC CTCTGACATT ACTGTCTCTC AGTGTTGGTT CAGATTGAGG CTTTN 17	20
10	ACAMAAGAGC CTCTGACATT ACTGTCTCTC AGTGTTGGTT CAGATTGAGG CTTTN 17  SEQ ID NO:1878 SEQUENCE LENGTH:172	ð
•	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02131	
15	SEQUENCE DESCRIPTION:	_
	GATCAATCCT TCTTATGTTT GCTTTAATGT GTATTGAAGA AAAGCACTTT TTAAAAAGTA 6 CTCTTTAAGA GTGAAATAAT TAAAAACCAC TGAACATTTG CTTTGTTTTC TAAAGTTGTT 12	_
	CACATATATG TAATTTAGCA GTCCAAAGAA CAAGAAATTG TTTCTTTTCA AA 17	
	TI THE TANTITATION OF COMMAND CANDAMITO THE HILL AND THE	۷
20	SEQ ID NO:1879	
	SEQUENCE LENGTH: 170	
	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY:linear	
25	CLONE: HUMGS02132	
	SEQUENCE DESCRIPTION:	
	GATCTGATTG TTTAAAAGTA CACAGCACCT CCCTCCCCAC TCTCTCTTGC TCCTGCTTTC 6	_
	ATCAAGTGAA AACTCCCTGA GGCCTCCTCA GAAGCTGAGT AGAGGCCAGC ACTATGCTTC 12	
30	CTGTACAGCC TGTGGAACCA TGAGGCAATT AAACCTCTTT TCTTTATAAA 170	U
	SEQ ID NO:1880	
	SEQUENCE LENGTH: 168	
	SEQUENCE TYPE:nucleic acid	
35	TOPOLOGY:linear	
•	CLONE: HUMGS02133	
	SEQUENCE DESCRIPTION:	
	GATCAGAAAA ATTCATCTTT TTTAACCCTG CCCTAATTTT TCTTGAGGAA TTAAATAGAG 60	0
	CAAACTATTT TCAGGTTATG CTTACAATAA AATATACTTA AGAAAATGAC TGAAGATGTA 120	0
40	TGTTTTTGAA TGTTTTGATT AAATAAATGT ACACATTTAG AACACAAA 160	8
	SEQ ID NO:1881	
	SEQUENCE LENGTH: 168	
45	SEQUENCE TYPE:nucleic acid	
45	TOPOLOGY: linear	
	CLONE: HUMGS02134	
	SEQUENCE DESCRIPTION:	
	GATCAGCCTC CCTGTAAGCC AGTTATCAGT ATCCAAGTGC TTTAACACAG GCTTCTCAGA 6	0
50	AGAAATCATT TTTATTCCTA CCATTATTTC ATACCAAAGC ATCATTATGT GCTACAGTTC 12	n

	CAATTTCTTA CACAAGAATG	AAAAGGGTTA	CCAATGCAGC	AAGTTAAA		168
5	SEQ ID NO:1882 SEQUENCE LENGTH:167					
	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO2135	acid				
10	SEQUENCE DESCRIPTION:					
	GATCTTACTG TAAGTTGAAG					
	GCTGTTGGGT TTGACTGACT TGCAACTTAC AATGCTTAGG				GGCTATTGAA	120 167
15						
	SEQ ID NO: 1883					
	SEQUENCE LENGTH: 165 SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
20	CLONE: HUMGS02136					
	SEQUENCE DESCRIPTION:					
	GATCCTTGAT GAGCCAACAT					
	CAGAAGGCGC TGTATATAGA A				ACNCAGACTN	
25	CAUNATORUI ATTIUUAAAA	AA I AAAACAU	UIICIIUIIU	CIAAA		165
	SEQ ID NO:1884					
	SEQUENCE LENGTH: 168					
30	SEQUENCE TYPE:nucleic a TOPOLOGY:linear	acid				
	CLONE: HUMGS02137					
	SEQUENCE DESCRIPTION:					
	GATCTGACCT CCACGGAGCC	GCTGTCCCCG	NCCCCCTTGC	TTCCCGTCTG	TCTGTCCTGT	60
35	CTGATTCTNT TAGGTGTCAT	GTTCTTTTTT	CTGTCTTGTC	TTCAACTTTT	TTTAAAACTA	120
	GATTGCTTTG AAAACATGAC	TCAATAAAAG	TTTCCTGNCC	AATTTAAA		168
	SEQ ID NO:1885					
	SEQUENCE LENGTH: 163					
40	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS 02138 SEQUENCE DESCRIPTION:					
	GATCACGATG GCTTCACAAG	CAGCTGTTG	GGTTTGCTAT	GTCACTGTGG	CTCAGTCACA	60
45	TCCCTGCGTG TATACTGTCT (					
	TGTACACTAC AGCTAATCCT					163
	SEQ ID NO:1886				•	
50	SEQUENCE LENGTH: 159					
	SEQUENCE TYPE: nucleic a	acid				

5	TOPOLOGY:linear CLONE:HUMGS02139 SEQUENCE DESCRIPTION: GATCTAGCAG CATGCAAACA AAAAATAAAC TCATTAACTT AAAGAGTCAG AAAATAAAAC	TGAGTTATTT	GCAGACAGCC		
10	SEQ ID NO:1887 SEQUENCE LENGTH:154 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid			
15	CLONE: HUMGS02140 SEQUENCE DESCRIPTION: GATCATGGAG GAAAAAGGTA AAACCAAAAT ACATGTATTA ACAAGGACTC ATACTTAAAA	TTTATAGAAA	ATATTTTCTG		
20	SEQ ID NO:1888 SEQUENCE LENGTH:151				
25	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid			
25	CLONE: HUMGS02141 SEQUENCE DESCRIPTION: GATCTCTGAT GACCTAACCT TTTCTACTTT TTCTAGCTAC AAATAAATTG AAATATAATG	AATATCTTCA	TACAATGACA		60 120 151
30	SEQ ID NO:1889 SEQUENCE LENGTH:150				
35	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02142 SEQUENCE DESCRIPTION:	acid			
40	GATCTATATT CTTCTTAATT AAAAGTATAT GTACATGTAT CCAGATTAAA GTTTATCTTT	GCATAAATTT			
45	SEQ ID NO:1890 SEQUENCE LENGTH:149 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02143	acid			
50	SEQUENCE DESCRIPTION: GATCAAAAAT ATGTGACCTT TTTTTAGAGT TGAGTTCCAG				

	TAATAAATAA CATCTATTGA	GTNCTTAAA		149
5	SEQ ID NO:1891 SEQUENCE LENGTH:148 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid		
10	CLONE: HUMGS02144 SEQUENCE DESCRIPTION: GATCCGCGGG GACCCTGCCG GGAAACAGAA CTCGATGCAC GGAATAAAAT GTTCCGATGA	TGANCTGCTC		
15	SEQ ID NO:1892 SEQUENCE LENGTH:147 SEQUENCE TYPE:nucleic	acid		
20	TOPOLOGY: linear CLONE: HUMGSO2145 SEQUENCE DESCRIPTION: GATCCCCGTT CTTCAAGCTT AAATAATAGT AAATNATTGA			60 120
	TAATTAAATA AAATCTATGA	CTCTAAA		147
25	SEQ ID NO:1893 SEQUENCE LENGTH:146 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid		
30	CLONE: HUMGS02146 SEQUENCE DESCRIPTION: GATCTGGGAG TAAACTTAAC TTTCTGGACT GTGGGCTGTG			60 120
35	CCAAAGATAC TGTGAATNTT SEQ ID NO:1894 SEQUENCE LENGTH:144	CTGAAA		146
40	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO2147 SEQUENCE DESCRIPTION:	acid		
45	GATCTAAATG TCTAGTTTTG TTGAATAATT CTCTGTACAG TAAAGCCTTT CTTTAAAAAG	GGGGGTTTGT		60 120 144
	SEQ ID NO:1895			
50	SEQUENCE LENGTH: 141	aaid		

5	TOPOLOGY:linear CLONE:HUMGS02148 SEQUENCE DESCRIPTION: GATCTTGGAA ATGCTTGAAG AGAGCTCCAC AGAAGACACG TCTGGTCAAT GTCAAANNAA	TGTTTTTGTA			60 120 141
10	SEQ ID NO:1896 SEQUENCE LENGTH:142 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO2149	acid		·	
20	SEQUENCE DESCRIPTION: GATCCAGATA AACTTTCCTG TCTGTGCTGT TCCTGTGAAT TTAAAAAGAG AGAAAGAGGA	CTCCAAATTT			60 120 142
. 25	SEQ ID NO:1897 SEQUENCE LENGTH:133 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid			
30	CLONE:HUMGSO2150 SEQUENCE DESCRIPTION: GATCAAAGTG TGGGATGNGC CCTTCCTTAT TTATTCCTGC TTTGTTTTCC AAA		-		60 120 133
35	SEQ ID NO:1898 SEQUENCE LENGTH:130 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO2151	acid			
40	SEQUENCE DESCRIPTION: GATCTAAGTT GCATCTTTAA TTCTATTAAG ATATATTTGT CAGTAACAAA				60 120 130
45	SEQ ID NO:1899 SEQUENCE LENGTH:247 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02152 SEQUENCE DESCRIPTION:	acid			
50	GATCGAGGAG ATGCCCTCTG			 	60

	CCTCCCACNN CCGCTGGGAG TGTCCGCTTT NATGAACACA TGTCAAA			
10	SEQ ID NO:1900 SEQUENCE LENGTH:132 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02153	acid		
15	SEQUENCE DESCRIPTION: GATCTTCCTG CTACCCTCTT TCAAATCTAA AATTGGCAAA TAAAATAACA AA		 	 60 120 132
20	SEQ ID NO:1901 SEQUENCE LENGTH:128 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02154 SEQUENCE DESCRIPTION:	acid		
25	GATCTACAGG TTNCAATTCA GCATTATAAG CATTTGAGTC AATTGAAA		-	
<b>30</b>	SEQ ID NO:1902 SEQUENCE LENGTH:132 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02155	acid		
35	SEQUENCE DESCRIPTION: GATCCATGAG TTTGCCCTGG TCACAGCTCT GTGTTGCCAT TTTCAGGGGA AA			
40	SEQ ID NO:1903 SEQUENCE LENGTH:128 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid		
45	CLONE: HUMGS02156 SEQUENCE DESCRIPTION: GATCCAAGAC AGAATAATGA GNCGTTGAGG ACTTTTCGAC AACGGAAA			
50	SEO ID NO-1904			

5	SEQUENCE LENGTH: 126 SEQUENCE TYPE: nucleic acid TOPOLOGY: linear CLONE: HUMGSO2157 SEQUENCE DESCRIPTION:	
10	GATCCACAGG GGTGGTGTCA AATGCTATTG AAATTGTGTT GAATTGTATG CTTTTTCACT 60 TTTGATAAAT AAACATGTAA AAATGTTTCA AAAAAAATAAT AAAATAAATA AATATGAAAC 120 CTTAAA 126	
15	SEQ ID NO:1905 SEQUENCE LENGTH:122 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO2158 SEQUENCE DESCRIPTION:	
20	GATCTACAGA TGAATATTTA ACTCAATAGA AAAATTATTT TAGAACACAT TGTATTGGTA 60 TTACAACCAG ATTATATTCT TGACGTTGAC TTCATTAAAA TTATCTACAA TTTCCTAATA 120 AA 122	
25	SEQ ID NO:1906 SEQUENCE LENGTH:121 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02159 SEQUENCE DESCRIPTION:	
30	GATCTCATGG ATACAAACAG GTGACCTTGC CAATTGGTGC TTTTTGTGTG TTTAAGAAAA 60 GAACAGTAGT AACCTTGCTC CCTGGNTACC AATAAAAAAT CTATTATTTT TTTAAAAGAA 120 A 121	
35	SEQ ID NO:1907 SEQUENCE LENGTH:119 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02160	
40	SEQUENCE DESCRIPTION: GATCTGACCC CTGTCAGATG NAAATGATTC ACAGCTCTGG CAGTTCCCAA GTCTGGGGAG 60 GGGTATAGGT TTGAAAGGCT GTTTGAAAGA GGAATGTTTA ATAAAGGCTT TGATTTAAA 119	
45	SEQ ID NO:1908 SEQUENCE LENGTH:121 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02161	
50	SEQUENCE DESCRIPTION: GATCCCAGCT GGCCCCTATG TTGTGTTCTG NGACTGAGGC CTTTGCTGTG AACTGCAGTG 60	

	TTTCATACGA ACCATCTTTC	CTAGTGCATG	AGAAATAAAG	ATTATTTAAG	TAATGAGGAA	120 121
5	SEQ ID NO:1909 SEQUENCE LENGTH:116 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02162	acid				
10	SEQUENCE DESCRIPTION: GATCTCACTT TTCAGGAAAC GCTATGCAAG TCTTTTATAT					60 116
15	SEQ ID NO:1910 SEQUENCE LENGTH:116 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
20	CLONE:HUMGS02163 SEQUENCE DESCRIPTION: GATCGATATG CTCATAAAAG CAAGACGTAT ATTATTTTAC					60 116
25	SEQ ID NO:1911 SEQUENCE LENGTH:124 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
30	CLONE:HUMGS02164 SEQUENCE DESCRIPTION: GATCCGGGCA TGGGAGACCC ACAATGTACT CTTTTACTTT					120
35	CAAA					124
33	SEQ ID NO:1912 SEQUENCE LENGTH:115 SEQUENCE TYPE:nucleic	acid				
40	TOPOLOGY:linear CLONE:HUMGSO2165 SEQUENCE DESCRIPTION: GATCCACTTC TACTTAATGA	GTAGTAAATA	TATTTCNTTT	TCCTTATGAT	TTTCTTACTA	60
	TTTNCTTTAG CTTGCTTTAT					115
45	SEQ ID NO:1913 SEQUENCE LENGTH:112 SEQUENCE TYPE:nucleic	acid				
50	TOPOLOGY:linear CLONE:HUMGSO2166					

	SEQUENCE DESCRIPTION:					
	GATCCAGAAA TTGTGAACAA	TGTTTGATTT	AGTAGCGTGA	CTTGCCTTTC	CCTTTAAAAA	60
	CATCTTTTAC AAATCTGTCT	TGGAATAAAG	TCTATTTTCT	GCCTTTTGGA	AA	112
5						•••
•	SEQ ID NO:1914					
	SEQUENCE LENGTH: 112					
	SEQUENCE TYPE:nucleic	acid				
10	TOPOLOGY:linear					
-	CLONE: HUMGS02167					
	SEQUENCE DESCRIPTION:					
	GATCCTAATT GCCTAGAAAT	ATCTTTCTCT	TACCTGTTAT	TTATCAATTT	TNCCCAGTAT	60
	TTTTATACGG AAAAAATTGT	ATTGAAAACA	CTTAGTATGC	AGTTGANNN	GN	112
15						
	SEQ ID NO:1915					
	SEQUENCE LENGTH: 112					
	SEQUENCE TYPE: nucleic					
		aciu				
20	TOPOLOGY: linear					
	CLONE: HUMGS02168					
	SEQUENCE DESCRIPTION:					
	GATCAACCGT GAAGCGTAAC					60
	TGTTTTGTTT TTTGTTTTTG	TAAGATTCTA	AATAAATNAA	ATACGAGTCA	AA	112
25						
	SEQ ID NO:1916					
	SEQUENCE LENGTH: 112					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
30	CLONE: HUMGS02169					
	SEQUENCE DESCRIPTION:				•	
	GATCAAGACT NCAGTTTGGG	•	C & C C C C & TTT	<b>ሮ</b> ሞሞው ተጥ ነ ጥጥ	00000 L0000	00
	TGGGGAAAAT CTCNCCNTNT	IIAAAAAGIG	ATAAATTTGG	TGTTAGGTCA	AA	112
35	000 to 40 to 5					
	SEQ ID NO:1917					
	SEQUENCE LENGTH: 112					
	SEQUENCE TYPE: nucleic	acid				
40	TOPOLOGY:linear					
40	CLONE: HUMGS02170					
	SEQUENCE DESCRIPTION:					
	GATCAACGCG ACTGTATTTT	GAAACATTCC	AGGAAGGTTA	CTTCTTGTCA	AACTTGCCTG	60
	GCAGTGTTTG TTCAAANCTT					112
45					- <del>-</del>	<b>-</b>
-	SEQ ID NO:1918					
	SEQUENCE LENGTH: 162					
	SEQUENCE TYPE:nucleic	aaid				
		aciu				
60	TOPOLOGY: linear					
	CLONE: HUNGS02171					

	SEQUENCE	DESCRIPTION:					
	GATCTATO	TT AAGAAGTGAC	CAGGAAAGAG	GTTCATTGAA	ATAATCATGC	ATGAAGCGCC	60
	AAAGATGC	AC CATGTAGAAT	TTTCACTTTG	TACTGGCAGG	CTCGTTTTAC	CTGATTCTAG	120
5	5 AATATTTA	AG AATCTAAAAA	TAAAGGGCAA	CTCTGACTTA	AA		162
	SEQ ID N	0:1919					
		LENGTH: 111					
	SEQUENCE	TYPE:nucleic	acid				
10	o Topology	:linear					
	CLONE: HU	MGS02172					
	SEQUENCE	DESCRIPTION:					
	GATCAGGG	AA CTAAGCATTA	TGTGAATTCA	CCAGCAAGAT	GTACAGNACG	CCTGTNTTTA	60
15	5 CATTGTTT	TT ATGGAACTAG	CAGAATAAAN	CATCTATTTT	AAAAATGCAA	A	111
	SEQ ID N	0:1920					
	SEQUENCE	LENGTH: 275					
		TYPE:nucleic	acid				
20	o TOPOLOGY	:linear					
	CLONE: HUI	MGS02173					
		DESCRIPTION:					
		AG GAAGCCGCCT					60
25		GC CCCTGCACAG					
		CT CATCTCCTCG					
		AC TGGCCTTGGA			ATAAATAAAG		
	AUTUCAÇA	GA CATAGAGGCA	CAGATTGCAG	TCAAA			275
30	SEQ ID NO	D: 1921					
		LENGTH: 114					
	SEQUENCE	TYPE: nucleic	acid				
	TOPOLOGY	linear					
35	5 CLONE: HUN	1GS02174					
		DESCRIPTION:					
		CA GAGACTTGGG					60
	TTTTTCCCT	TC ACGTTGCATC	AATAAAGCTT	CTGTGTTTGG	AACAGNTAAA	CAAA	114
40	SEQ ID NO	):1922					
	SEQUENCE	LENGTH: 108					
	SEQUENCE	TYPE:nucleic	acid				
	TOPOLOGY:	linear					
45							
		DESCRIPTION:					
		C NTCCCGTCCC				ACCCCCGACA	60
	GCCCAGCCT	TA GCCCACTTGT	CATCCATAAA	GCAAGCTCAA	CCTTGAAA		108
50	SEQ ID NO	):1923					

5	SEQUENCE LENGTH:272 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02176	acid				
10	SEQUENCE DESCRIPTION: GATCCCCCAG GTTCAGACTG TCTAGCCTGA NTNCTTTNCA GCTTTCCTGA GGACTCAAGG ATGAGNACCT ANNNGGTGTA	ATAAAAAATA TGCCAAGATG	CAATTCAAGT GAGGGGCTGA	TGCTTCTCAT CTCAGTCCAG	GGATGGCACT CCAACNTTTA	180
	ATAGTAACAA TAAATAATTG			CCAIGGGAAI	AAAGCAGIGA	272
15	SEQ ID NO:1924 SEQUENCE LENGTH:109 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
20	CLONE:HUMGS02177 SEQUENCE DESCRIPTION: GATCTGACGT TTTCTACGTA GAAGCCCTGC CATNCCCCTC				GAACACTTAT	60 109
25	SEQ ID NO:1925 SEQUENCE LENGTH:104 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO2178	acid				
30	SEQUENCE DESCRIPTION: GATCAACTTG TGCTTGCCAG TTGTTTCTGT TCCTCATTAA				ATCAGAGATT	60 104
35	SEQ ID NO:1926 SEQUENCE LENGTH:104 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02179	acid <sup>.</sup>				
40	SEQUENCE DESCRIPTION: GATCGTGTGT GTAGGTGGTG TGTAGCTTGT TTTATAAAAA				GGAAACTATN	60 104
45	SEQ ID NO:1927 SEQUENCE LENGTH:103 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO2180	acid				
50	SEQUENCE DESCRIPTION: GATCCTCCCA CTTCCACCTC	CCAAGTAGCT	GTGGCTACAG	GTGTGTGCCA	CCATGTCCAG	60

	CTGATTTTNG TATTTTNAGT	AGGGACAGTA	TTTCTCCATG	AAA		103
5	SEQ ID NO:1928 SEQUENCE LENGTH:106 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
10	CLONE:HUMGS02181 SEQUENCE DESCRIPTION: GATCTAAATC TCATTTTATG TTTTGGAAAC ACATCAAAAT				ACGTTTTGAT	60 106
15	SEQ ID NO:1929 SEQUENCE LENGTH:272 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
20	CLONE: HUMGSO2182 SEQUENCE DESCRIPTION: GATCTGGACG AATGATACCA TGATTGTNTT GTGTCTTGCA					
25	ATCTGAAATA CCTGAGATGC GTATCTNATT TACTGTTAGT CACTCAATAA ATATGTATTG	ACTTTAAACT ATCCGTTGCA	GTTGAAATGT TCTAGTGTGG	AAGCNCTGAG	GGCAGGGNCC	180
30	SEQ ID NO:1930 SEQUENCE LENGTH:171 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02183	acid				
35	SEQUENCE DESCRIPTION: GATCTACAGC TCCTGGATAA TGCCATTACC AATAAATCAT TCTTGACACA TGCAATTGTA	TGCTTTTGTT	NAGATGGTAT	CACTAGTGTT	TCCATTGTAA	
40	SEQ ID NO:1931 SEQUENCE LENGTH:99 SEQUENCE TYPE:nucleic	acid				
45	TOPOLOGY:linear CLONE:HUMGSO2184 SEQUENCE DESCRIPTION: GATCATACCA CTGCACTCTA ATAAAAATAA ATAAAATAAA			CCCTGTCTTG	AAAAAATAA	60 99
50	SEQ ID NO:1932 SEQUENCE LENGTH:99 SEQUENCE TYPE:nucleic	acid				

	TOPOLOGY:linear CLONE:HUMGSO2185 SEQUENCE DESCRIPTION:					
5	GATCTGTGTC TTAAAACTTA C GGAAACAAAA AATAAATCCT T			TTATTGCAAA	TTGTAATGCT	60 99
10	SEQ ID NO:1933 SEQUENCE LENGTH:99 SEQUENCE TYPE:nucleic ac TOPOLOGY:linear CLONE:HUMGS02186	eid				
15	SEQUENCE DESCRIPTION: GATCCTGACA CTCTANCACT CO TGCAACTAAT TCAATAAAAC TO			AGAACAGAAT	TNCTCCTGCA	60 99
20	SEQ ID NO:1934 SEQUENCE LENGTH:90 SEQUENCE TYPE:nucleic ac TOPOLOGY:linear CLONE:HUMGS02187	cid				
25	SEQUENCE DESCRIPTION: GATCTTGACT TATATTCTGT AC ACTTAATAAA GCATGTATAA AA		CTTCTGTGGA	CTTTTAGCAT	TTGTGGGTAG	60 90
30	SEQ ID NO:1935 SEQUENCE LENGTH:91 SEQUENCE TYPE:nucleic ac TOPOLOGY:linear CLONE:HUMGSO2188	cid				
35	SEQUENCE DESCRIPTION: GATCAGGNTG CGGATAGACT TO GCCAATAANC TTCAATGGTT TO			ACAGTGTAAG	CATTGTGACC	60 91
40	SEQ ID NO:1936 SEQUENCE LENGTH:91 SEQUENCE TYPE:nucleic ac TOPOLOGY:linear CLONE:HUMGS02189 SEQUENCE DESCRIPTION:	cid			·	
45	GATCTTTCGT NTTTCTAAGC GATCCCCAATAA AGCTNGTGTA CO			CCAGCNTAGC	TCGTTGCTGT	60 91
50	SEQ ID NO:1937 SEQUENCE LENGTH:86 SEQUENCE TYPE:nucleic ac	cid				

5	TOPOLOGY:linear CLONE:HUMGSO2191 SEQUENCE DESCRIPTION: GATCTTACAT CTGCAGCTCT 1	TTCTTCTTTG	AATTTCCTAT	CTGTATGTCT	GCCTAATTAA	60
5	AAAAATATAT ATTGTATTAT (					86
10	SEQ ID NO:1938 SEQUENCE LENGTH:86 SEQUENCE TYPE:nucleic a TOPOLOGY:linear CLONE:HUMGSO2192	acid				
15	SEQUENCE DESCRIPTION: GATCATCAGT GTTCCTTTTT A AAAAACTGCT GCTTTACCAC 1		TTGGATTCTT	TTTTAGAATT	TGTAATAAAT	60 86
20	SEQ ID NO:1939 SEQUENCE LENGTH:91 SEQUENCE TYPE:nucleic a TOPOLOGY:linear CLONE:HUNGSO2193	acid				
25	SEQUENCE DESCRIPTION: GATCTACCCT GCCTGTACTA C GGTATTAAAC AAGTCAATTC 1			GCAGAGGGCA	AGGGAGGGGT	60 91
30	SEQ ID NO:1940 SEQUENCE LENGTH:84 SEQUENCE TYPE:nucleic a TOPOLOGY:linear CLONE:HUMGSO2194	acid			·	
35	SEQUENCE DESCRIPTION: GATCATGAGT GACCCAGCTG T AAGCCAGTTG GGCGTNGTTA T		TTTATTCTGC	GTCCCCTTCT	CCAATAAAAC	60 84
40	SEQ ID NO:1941 SEQUENCE LENGTH:79 SEQUENCE TYPE:nucleic a TOPOLOGY:linear CLONE:HUMGSO2195	acid				
45	SEQUENCE DESCRIPTION: GATCCCCATG CCTAGCAGAG GATGAGATGA TGGAGCAAA	TGCTGGCACT	TAGTAGGTCC	TCAATAAATA	TTTATTAAAT	60 79
50	SEQ ID NO:1942 SEQUENCE LENGTH:78 SEQUENCE TYPE:pucleic:					
	- SEMBEAUE LIFE DUCTOIC	ACTO.				

5	TOPOLOGY:linear CLONE:HUMGSO2196 SEQUENCE DESCRIPTION: GATCCAATCC CATAGACAGC T AGTATTTTGG AAAGCAAA	CTGGGCCTC	TTGCATTTGA	GTTTTTTAGA	ATTAAACTGC	60 78
	SEQ ID NO:1943 SEQUENCE LENGTH:77 SEQUENCE TYPE:nucleic a TOPOLOGY:linear CLONE:HUMGS02197	acid				
15	SEQUENCE DESCRIPTION: GATCCACTAA GGAAATGTTT T. AAATTTGGTG CAGCAAA	CAACAGCTAG	AGACCACTGC	TTGCCTGAAA	GGGCGTTCTT	60 77
20	SEQ ID NO:1944 SEQUENCE LENGTH:76 SEQUENCE TYPE:nucleic a TOPOLOGY:linear CLONE:HUMGS02198	cid			٠.	
25	SEQUENCE DESCRIPTION: GATCCACTTC AAGAATTGCT TO AATATATTGC TGCAAA	GCTTTCAGG	AAGAGAGATG	TGTTTCAACA	AGCCAACTAA	60 76
30	SEQ ID NO:1945 SEQUENCE LENGTH:76 SEQUENCE TYPE:nucleic ac TOPOLOGY:linear CLONE:HUMGS02199	cid				
35	SEQUENCE DESCRIPTION: GATCGACTTT GTGTCTCTGT TO AATGGAATCA CACAAA	GTCTAAAAT	AGGTTTTCCC	TGTTCTGGAC	ATTTCATATA	60 76
40	SEQ ID NO:1946 SEQUENCE LENGTH:75 SEQUENCE TYPE:nucleic ac TOPOLOGY:linear CLONE:HUMGS02200	cid				
45	SEQUENCE DESCRIPTION: GATCATAGAT TTCTGATTTT A' CTGTGCTGTT TCAAA	TGTAAAATT	TTGCCTAATA	CATTAAAGCA	GTCACTTTTC	60 75
50	SEQ ID NO:1947 SEQUENCE LENGTH:74 SEQUENCE TYPE:nucleic a	cid			·	

5	TOPOLOGY:linear CLONE:HUMGS02202 SEQUENCE DESCRIPTION: GATCTGTCAA AGAAAACTTC CAAAAAGATT TATTAATTAA ACCAGACTCT GTTGCAATAA AAATCCTACA GAAA	60 74
10	SEQ ID NO:1948  SEQUENCE LENGTH:73  SEQUENCE TYPE:nucleic acid  TOPOLOGY:linear  CLONE:HUMGS02203  SEQUENCE DESCRIPTION:	
15	GATCCACTTT AGCAAACCCT GCTGCAGAGG ACTGTAAAAA CAAATAACTA AAAATAAACT TAGAAAATAC AAA	60 73
20	SEQ ID NO:1949 SEQUENCE LENGTH:73 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
25	CLONE:HUMGS02204 SEQUENCE DESCRIPTION: GATCGTAATG TTTATCATGT TACTTCCCCA CCCCTACATT TTTTGAAATA AAATAAGGAA TTTTATTCTC AAA	60 73
30	SEQ ID NO:1950 SEQUENCE LENGTH:72 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
35	CLONE:HUNGS02205 SEQUENCE DESCRIPTION: GATCNCTGCA ACTAAGNTTA AAGCAGTGTG ACTGTGTTGC TNAAATATCA AGTATTGTTT ATAACCACCA AA	60 72
40	SEQ ID NO:1951 SEQUENCE LENGTH:66 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02206	
<b>4</b> 5	SEQUENCE DESCRIPTION: GATCTCAGCT ATTAAGATGC AAGTCTGCCA ATGCTCCTGG CCAAATAAAC CTCTTCCTTC TTTAAA	60 66
	SEQ ID NO:1952 SEQUENCE LENGTH:65	
50	SPOURNCE TYPE muchaic acid	

5		60 65
10	SEQ ID NO:1953 SEQUENCE LENGTH:62 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02208 SEQUENCE DESCRIPTION:	
15	GATCTCGAAG AAAAAAGGGG GAGACCAAAG AATAAAAGAA GGGTTTCCCC ACTAAAATGA	60 62
20	SEQ ID NO:1954 SEQUENCE LENGTH:62 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02209	
25		60 62
30	SEQ ID NO:1955 SEQUENCE LENGTH:61 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02210	
35		60 61
40	SEQ ID NO:1956 SEQUENCE LENGTH:59 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02211	
45	SEQUENCE DESCRIPTION: GATCAGCCAT GINTATCITI TIAAAAAATA AACAGGITGC TITATITCIT AGCITCAAA	59
	SEQ ID NO:1957 SEQUENCE LENGTH:59	
50	SEQUENCE TYPE: nucleic acid	

5	CLONE: HUMGS02212 SEQUENCE DESCRIPTION: GATCAGATGA GATTTAATGA	AGACCCAGTG	TAAAGAATAA	ATGANTCTTA	CTCCTTAAA	59
10	SEQ ID NO:1958 SEQUENCE LENGTH:57 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02213	acid				
	SEQUENCE DESCRIPTION: GATCTACACC TGGACTGCCC	AGGTCTATAA	GCCAATAAAG	CCCCTGTTTA	CTTGAAA	57
15	SEQ ID NO:1959 SEQUENCE LENGTH:56 SEQUENCE TYPE:nucleic	acid				
20	TOPOLOGY: linear CLONE: HUMGS02214 SEQUENCE DESCRIPTION: GATCGAAGAA AAAGGGGNGN	CAAAGAATAA	AAGAAGGGTT	TCCCACTAAA	ATGAAA	56
25	SEQ ID NO:1960 SEQUENCE LENGTH:111 SEQUENCE TYPE:nucleic TOPOLOGY:linear					
30	CLONE: HUMGS02215 SEQUENCE DESCRIPTION: GATCAGAAAT GTTGANTGTG CTTTACTCAT GAGTACCTTA					60 111
35	SEQ ID NO:1961 SEQUENCE LENGTH:167 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
40	CLONE:HUMGS02216 SEQUENCE DESCRIPTION: GATCTATTCC CCATCCCAAG TCGCAGTCTC TTAGAATTTG GGTTATCCTG TTTGAAGAAA	TTTCATCTAT	TTNATTTTAT	TGAATACTGT	CTGTATCTTT	
45	SEQ ID NO:1962 SEQUENCE LENGTH:516 SEQUENCE TYPE:nucleic	acid				
50	TOPOLOGY: linear CLONE: HUMGS02237 SEQUENCE DESCRIPTION:					

	GATCCTCATT CTCACCCATT	TGGCTAATCC	AGGAATATTG	TTATCCCTNA	NCCATTATAT	60
	TNAAGTTGAG AAATGTGACA	GAGGCATTTA	GAGTATGGAC	TTTCCTTTCC	TTTTNCTTTT	120
	NCTTTTTTCC TTTTTGAGAT	GGAGTCACAC	TCTCCAGGCT	GGAGTNCAGT	GGCACAATCT	180
5	CGGCTCACTG CAATTNCCGT	CTCCCAAGTT	CAAGCGATTC	TCCTGCTTTA	GACTATGGAT	240
	TTCTTTAAGG AATACTGGTT	TGCAGTTTTG	TTTTCTGGAC	TATATCAGCA	GATGGTAGAC	300
	AGTGTTTATG TAGATGTGTT	GTTGTTTTTA	TCATTGGGAT	TTTAACTTGG	NCCGAGTNAA	360
	ATAATCAGGT TTTTGTCATT	CACACTCTCC	CCCAGTTTTT	GGGAATAACT	TTGGAAGGTA	420
10	AGGTTCANTN CCCTAAGGCC	GGTGGGGTTN	CTGTTGGACC	TATGGGGGGN	CCACAACTGN	480
10	ACTATTTAAT TCCNCCCCAC	TGTAAGGGGC	AAAGGN			516
	SEQ ID NO:1963					
	SEQUENCE LENGTH: 483					
15	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS02238					
	SEQUENCE DESCRIPTION:					
20	GATCTTTCCA GATGACTTGT	CCAAGGTCAC	ACAGGAGTCA	GATGGCCTTT	CCACTACCCC	60
20	ACAACACAGA TGCATAGTTA	CTCTGTGGGC	TAATACAATT	CAGAATTCAG	AGCTCTGCCC	120
	ATGGTCACCG GTGGAATCCA	CCAGCCATCT	CCCTGACCTT	GCTCTCCTCT	GTTCTCCTCG	180
	TCTCCAGGGT CCCATGATTC	AGGGCGAGCT	GGCTTCAGGA	TGTGGGCAAG	AGGGGTTTTA	240
	GATGGAAGGG TTTTCCTCCA	GGACAGAATG	TTAAGCCAAG	CCTGGACTTA	ATTGTTCCAA	300
25	GATGTCGTTA GAATTGGTGG	ACAATTTTT	TTTAATGATT	AGCAAAGGAC	AAGGCTTTTG	360
	GTGGTCATTA GTATTGTTCA	TCAAATATTC	${\tt CAGTTCTCCA}$	CAATTCTGGG	GTACCATGGT	420
	ANGGATGAAC CTTCCCTGTC	TTTTCAGGGT	${\tt TAAGTTTAGC}$	TCTNGTGATG	TGCTTTTGTC	480
	AAA					483
30						
	SEQ ID NO:1964					
	SEQUENCE LENGTH: 452					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
35	CLONE: HUMGS02239					
	SEQUENCE DESCRIPTION:					
	GATCGCTGGA GCTGTGGTCG					60
	AGGGAGCTAC TCTCAGGCTG					
40	AGCTTGTAAA GTGTGAGACA					
	CCTTCCCTTT GTGACTTGAA					
	TGTGTTCTTG TAGGCATAAT		•			
	TGACCCTCTT CCCACGNTGA					
	GTGGGGCTGA GGTGTCTCCA			TGCACTGAGC	TGTAACTNTT	
45	TCCTGNNTAT TAAAATAAGA	CCTGAGTTTA	AA			452
	OPO ID NO 1005					
	SEQ ID NO: 1965					
	SEQUENCE LENGTH: 433					
50	SEQUENCE TYPE:nucleic	aciq				
	TOPOLOGY:linear					

	CLONE: HUNGSO2	2240					
	SEQUENCE DESC						
	GATCAGACAC CA		GGCATTCTTG	CAATACCTTA	ACAGTGCTGA	AATCTGCAGC	60
5	ATGGTACTAA GO						
3	AATTTAAATG AA						
	AGATGCAACA TO						
	ATCCCAGTCT CT						
	ATTGAANGGG TT						
10	CTTTGCTTGT AT						
	TGTTGGCATT GT						433
		••					
	SEQ ID NO: 196	36					
15	SEQUENCE LENG	GTH: 424					
	SEQUENCE TYPE	E:nucleic	acid				
	TOPOLOGY: line	ear					
	CLONE: HUMGSO2	2241			•		
	SEQUENCE DESC	CRIPTION:	•				
20	GATCTGCAAA GA	AAAGCTTTT	CTTNCGTCGC	TGCCTCAGNC	TCCTCCCTAT	GCCTCTNGCA	60
	CCTGCGCAGA AG						
	AGGCTGGATG GC						
	GATATCAAAT TO	CTNTAGCCC	TTTCCTCCTA	TTCTCCCAAG	NAGAGAGNTT	CCCATTTCTC	240
25	CTCGGCCATT GT	TACCTAGCT	CTTGTCCCTA	GCTGCATTTC	AGTGGACCAT	GGATAGAGGG	300
	ACTGAGNGTT AC						
	CTTTGACCTC CN						
	TAAN						424
30	SEQ ID NO:196	67					
	SEQUENCE LENG	GTH: 418					
	SEQUENCE TYPE	E:nucleic	acid				
	TOPOLOGY: line	ear					
35	CLONE: HUMGSO	2242					
	SEQUENCE DESC	CRIPTION:					
	GATCNCCTGC TO	CTCCAAGCA	TGGCATCTAT	GTGCAGGCCA	TCAACTACCC	AACTGTCCCC	60
	CGGGGTGAAG A	GCTCCTGCG	CTTGGCACCC	TCCCCCCACC	ACAGCCCTCA	GATGATGGAA	120
	GATTTTGTGG A	GANGNTGCT	GCTGGCTTGG	ACTGCGGTGG	GGCTGCCCCT	CCAGGATGTG	180
40	TCTGTGGCTG C	CTGCAATTT	CTGTCGCCGT	CCTGTACACT	TTGAGCTCAT	GAGTGAGTNG	240
	GAACGTTCCT A						
	AGNTGCCTAG G						360
	CTGCTTTGTT G	TGTGCCTCT	AGCTGAATTG	AGCCTAAAAA	TAAAGNACAA	ACCACAAA	418
45				•			
	SEQ ID NO:19						
	SEQUENCE LEN	_					
	SEQUENCE TYP		acid				
50	TOPOLOGY: lin						
50	CLONE: HUMGSO	2243					

	SEQUENCE DESCRIPTION:					
	GATCATTGAA TAAAACGGGT	GTAGAGTACA	GGAATGGGGC	AGACGCGATT	CAGGTGAACA	60
	GCACANGNAG AATATGAGGT	GGTTCCTAGG	AGCAACACTT	TCGACCTCCA	GTTCTCCNTG	120
5	ATGACAGTAG CTGTCTCCNN	GNGAAAAATC	CTCACTTATT	AACTCTCTTT	TCTTGCATCT	180
	CATTTTTATA GAGCTACTCA	TCCTTATTTG	GAAAAACCAA	CAACAAAAA	GGCTTTTAGA	240
	AAATGGTTGT AAATCTGACT	TCTTTGCAAG	TAACTATGTA	TATTGTAAAT	AGGATATAAA	300
	AAGGCCTTTT TTCTAAATAA	GGCCTTAACT	GCCTGTAACA	TGAAACTTCA	AACTAAACCA	360
	CTTAACTCAN TGNACTACCT	TATGGGTTTG	TCTGACATCC	CTCAACTTAC	CAN	413
10						
	SEQ ID NO:1969					
	SEQUENCE LENGTH: 412					
	SEQUENCE TYPE:nucleic	acid .				
15	TOPOLOGY:linear					
	CLONE: HUMGS02244					
	SEQUENCE DESCRIPTION:					
	GATCCCACCG AGAAGAACCA	TGGGTGGACC	CGAACTCCCC	GGTGCTCTNA	GAGGACCCAN	60
	NNCTTTGTGC CTTGGCAAAA	AAGCACAAGC	GAACCCCAGC	CCTGATTGCC	CTGCGCTACC	120
20	AGCTACAGCG TGGGGTTGTG	GTCCTGGCCA	AGAGCTACAA	TNAGCAGCGC	ATCAGACAGA	180
	ACGTGCAGGT GTTTGAATTC	CAGTTGACTT	CAGAGGAGAT	GAAAGCCATA	GATGGCCTAA	240
	ACAGAAATGT GCGATATTTG	ACCCTTGNTA	TTTTTGCTGG	NCCCCCTAAT	TATCCATTTT	300
	CTGATGAATA TTAACATGGA	GGGCATTGCA	TGNGGGTCTA	CCAGAAGNNC	NTNGGGTNTT	360
25	GGANTGGTNG CANAAGNGGG	TNGGTTCTTA	TGGCTGGGGG	NACTTGGGCA	AN	412
	SEQ ID NO:1970					
	SEQUENCE LENGTH: 406					
	SEQUENCE TYPE:nucleic	acid				
30	TOPOLOGY:linear					
	CLONE: HUMGS02245					
	SEQUENCE DESCRIPTION:					
	GATCCAAAGT TCATACATTT	TATGTACAAG	ATACATTAGA	CTTACAATAN	AGTCTAATTA	60
35	TTAGACTTTT ATGTCAGTGG	ATTGTGCTTG	CAGAAATACA	GAAGTAACAT	ACTGACCCTA	120
	GGTGAGGAGT TTCTTACATG	GTTAACTGGA	TTGACCCAAT	TGGAGTAAAA	GATTTTTGCT	180
	GTTACCTCGA TGCTCCTGCA	GTTGTTACCT	CAGCATGCCA	CTGTAGTCCT	TGACTCTCAC	240
	ATTAAAACTA ACTTTGGCTA	GGTACTGGTG	GCTCACACCT	GTANGTAATC	CCAGTACTTT	300
	AGGAGGCTGA GACTGGAGGA	TTACTTGAGT	CCAGGAGTTG	GAGACCAGCC	TGGCCAATAT	360
40	AGACTGTCCC TACAAAGGAA					406
	SEQ ID NO:1971					
	SEQUENCE LENGTH: 401					
45	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS02246					
	SEQUENCE DESCRIPTION:					
	GATCAAATAT GGCATCAACA	ATATCCGGGA	GCTGGTGGGC	CACAAGGTGA	ACCTGCAGAT	60
50	GGTGTATGAC ACTCCCCTGT	NCCGCCTGGA	TOCCGAGCCG	AGGCCCCCTC	CCACACAGGA	120

5	GGCTGCGTGA CATGGGCCAC TCCTTTGCAT CCCTGGCCAG CTTCCTCTTT CCCACCTGTC TTCCTTCTGT TGTCCTGTGT GGCCANCTAT TGTCTAATAA	TNACCTTGTA CCAGGACCAG GGTGTGTCTA	TTTATGAGGC AATCCCAGGG CTGTGAGGGT	CTCTGTNAGG ACAGAGGACT GGGCCCTGAG	CAGCCCCCAC GGGTAGCAGG	240 300
10	SEQ ID NO:1972 SEQUENCE LENGTH:384 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO2247	acid				
15	SEQUENCE DESCRIPTION: GATCTTTNAT GTTGTTNATT TTGTGAACCC AACGGAAGCG TGCAATGGGA AATAAATAAA TTCCCTTATG ATGGGATGAA	TAGTTGGGAA TAATATAGCC	AAAGGCCATT TGGTGTGATT	GGCTAATTNC GATGTGAGCT	ACGTGTGTAT TGGNCTTGCA	180
20	CAATCCTATG GCAGAGCATT GAAGGCTCTA TGTNTGTATA TAATAAATTT CACTGGGTTG	CAGAATGTCA TNNCCCTNTG	ATGCGTAATT	CATTATTATC	CAAAGCATAG	300
25	SEQ ID NO:1973 SEQUENCE LENGTH:383 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
30	CLONE:HUNGS02248 SEQUENCE DESCRIPTION: GATCCTGCTT CTCCCCTGGG CCCTCTATCG GCTCTGCCTC AAGGACAACT TCATTGGCTT	CTGCTTCTTT	TCTGTATTGC	CATGATTTTT	GCTAAGGATA	120
35	GATTTCTCCT TTTGCCACCT CCCATTCAGG CCACTCTGGC TCAGTCACTT AAACATTAGG CCACNNAAGG ATAAAAAAAT	TCGATATTTT CTTCCATCCA GCTCCCTGCC	CTCCAGTTTC ACCTGCCAGA	CTTGATTCCT ACTTTTTCCA	TTGATACGTC CTTCAGCACT	240 300
40	SEQ ID NO:1974 SEQUENCE LENGTH:375 SEQUENCE TYPE:nucleic a	acid				
45	CLONE:HUMGSO2249 SEQUENCE DESCRIPTION: GATCAACAGG AAGAACATGG ACACCAGGTG TGGAAGAAAC	ATCCTGTCCA	CCGTGACTTT	CTAGGCTTCT	ACGTGGTGGA	
50	CAGTCACCGG ATGTCAGCAC A CTTTAAAGTG TCTGACATCN ( GGTGAAGAAC CATCANGNTG A	GGCCAGGCTC	TNACCCCACA	AAGCCAGATG	CCACATTGGT	240

	TGCCANGCAT CGGCACGAAN TTGNTTGANT GGTGN	GGTTGTCTTC	TTGGTTCGNN	CACANCAACG	GGGAATGTTG	360 375
5	SEQ ID NO:1975 SEQUENCE LENGTH:370					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	-				
	CLONE: HUMGS02250					
10	SEQUENCE DESCRIPTION:					
	GATCTATGTG CACACACCON	CATCACATGG	AATGGGCTGG	TCTAGGCTGT	GGCCTGNCAC	60
	CTTCCTTAGA GTGAATAGGG	CGGACACTCC	TCTCTTTTCC	TGTAGCGTGT	GGACCGGTCC	120
	ACGCAATTCT TTATCCTGTG	AACTCATCTG	AGTGGGAGGT	GGTGGACACT	GGGGTTTCCT	180
15	TCCCTCTCTC CGTAGCATCC	GTTGGTCTTT	CTCTCCATCT	CTGTTGGTTT	GTCTGTCTCT	240
	GTCTTCCTCC CAATCCCTAG	GGGAAGGGGG	CATTTGGCTA	GGGGGTGCCC	CTGTGAGCCT	300
	NGACCTTGCC CCCTCGTCCN	TCTCCCCAGT	GTTTCCAGGA	CCCCCAATAA	ACCTTGTCCT	360
	GTCAGTCAAA			-		370
20	SEQ ID NO:1976					
	SEQUENCE LENGTH: 367					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
25	CLONE: HUMGS02252					
	SEQUENCE DESCRIPTION:					
	GATCGATACA GGGGAGGGG	GAGGTGGAAA	CAAACAACAA	AACTGTACAT	<b>AAATTTTTT</b>	60
	GTTTGTTGAA AAGAATATTG					
00	TAATCAAAAA ACATTTGCGC	AGAAAGCAGC	ACTTAGGGCT	GCCTGTTCTA	TACCCTACAG	180
30	TCAGACAGGA AAAGANCTGA	AAATGGCACC	CTTCTGACAT	TCTGNGGCAG	CTGGNCTNGC	240
	AGCCANGTAA NGGNGAGTTT					
	NTTCTCTCCA CAGCAGGTGG	GNGCAGGCAA	GNNTTTGGNG	GCCAGANGGN	GNGCTTTGTN	
	CNTGGGN					367
35	200 ID VO 1000					
	SEQ ID NO:1977					
	SEQUENCE LENGTH: 353	: 3				
	SEQUENCE TYPE:nucleic	acid				
40	TOPOLOGY: linear					
	CLONE: HUMGS02254 SEQUENCE DESCRIPTION:					
	GATCTCCAGC CTTACCGCGG	CTCGAAATGG	ACCCCAACTG	CTCCTGCACC	ACTGGTGTCT	60
	CCTGCGCCTG CACCGGCTCC					
	GCTGCTGCTC CTGCTGCCCC					
45	GGACGTTGGA GAACTGCAGC					
	AATAGAACAA GCTGCACAAC					
	ATTTCTTTTT ATGTTAAATA					353
50	SEQ ID NO:1978					

5	SEQUENCE LENGTH:351 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02255	
	SEQUENCE DESCRIPTION: GATCTNACCT GAGGTGCTGG GTGAGAAATC TTAGGGACCA GATGGAAGAG GGCCTGTNTA 60 TANNGACATT AGGAAGGAGG TTTGGGAAGG TTTGGGAGGG CAGCCTGACT TGTCTCCAGA 120	
	GAAAGTTAGA ACTGGTTGAC TTAGCAACCA AGGGNCACTG GGTCAAAGAC GAGGANTCAG 180	-
10	GACGTCGGTG CCTAGTGACT GAGCGCCANC CAGCCCATTT CTNTACATTG CCATGGGCTA 240	_
	AACCCAGTGT GCTGTAAACT CTTGCAGTTC CTTGNGGTTA TGGGATTTTG NTATCTTGNC 300	
	NGTGTTTCCT CAANTAAAGG NNCTTGTTTG TAAAAATTGG GNAANAAGAA A 35:	Į
	SEQ ID NO:1979	
15	SEQUENCE LENGTH: 342	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS02256	
20	SEQUENCE DESCRIPTION:	
	GATCTGTTTC CTACAGACTT CAAATTTGAC ACCCCAGTGG ACAAACTACC ACAGCTATAA 60	)
	ATTGAGGCAG CTAACGTCAA ATTCTTGAAT ACAAAACTTT GCCTGTTGTA CATAGCCTAT 120	)
	ACAAAATGCT GGGTTGAGCC TTTCATGAGG AAAAACAAAA GACATGGTAC GCATTCCAGG 180	)
25	GCTGAATACT ATTGCTTGGC ATNNNGTATG TATATACTAG TGAAACATAT TTAATGATTT 240	
	AAATTTCTTA TCAAATTTCT TTTGTAGCAA TCTAGGAAAC TGTATTTTGG AAGATATTTG 300	
	AAATTATGTA ATTCTTGAAT AAAACATTTT TCAAAACTCA AA 342	2
	SEQ ID NO:1980	
30	SEQUENCE LENGTH: 340	
	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGSO2257	
35	SEQUENCE DESCRIPTION:	
	GATCAGCATG ACCAGCACTC GTTGGNGGAA AGGTGTCTNT NAGGAGACGT CTGGAGCTTA 6	_
	TGAGAAAACA GATACTGATG GGAAGTTTCT CTATCACAAA TCCAAATGGA ACATAACCAT 12	
	GGCGTCCTAT GTGGTCCACA CCAACTATGA TGAGTATGCC ATTTTCCTGA CCAAGAAATT 18	
40	CAGCCGCCAT CATNGACCCA CCATTACTGC GGTGTCCCTG GTGATGGNGA TGAGGAGCTN 24	
40	CTGCGCTTCT CCAACTGACA ACTGGCCGNT CTGCANGTCA GAGGATGGNC AGTGTCTGTC 30	
	CNGGGGTACT GTGGCAGNCA GCGACAAGCA ACCTGNGTCN 34	U
	SEQ ID NO:1981	
45	SEQUENCE LENGTH: 339	
45	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS02258	
	SEQUENCE DESCRIPTION:	
50	GATCHTHICG NCTCTGAAGA AGACATGGTG ACTGTGGTGG AGGACTGGAT GANNTTCTAC 6	0

	ATCAACTATT ACAGGCAGCA GAGCTTCGGC AAGAGCTGAA CTGAAGTCTC ATGAGCTCCC	CACTCTGGCC	AACCCTTTCC	TGGCCAAGTA	CAGGGACTTC	180
5	CCTCCTCTCT GAGAAACTCT TGACACCTCA ATAAAGACCA			GTGCTCCTGC	CACTCTACCC	300 339
10	SEQ ID NO:1982 SEQUENCE LENGTH:334 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE: HUMGS02259 SEQUENCE DESCRIPTION:					
15	GATCCTTNCG TGCTGAATAT GAAAGTTCTA GAATTTNAAT	TGATAAACAT	GGTGGGTTGG	CTNAGGGNAA	GAGTATATGA	
	GGAACCTTTT AAACGACAAC CAAATGTGTT ATCCTCTCTC					
	AGCTATTGTT TACAATTATA					
20	GGCTAAGATN CATTAAAAAC	TAGCTGCNCT	TAAA			334
	SEQ ID NO:1983					
	SEQUENCE LENGTH: 332					
25	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE: HUMGS02260					
	SEQUENCE DESCRIPTION:					
30	GATCTTGTGC CAAGCTNAGG					
	CCTTGTGAAG CAAAAGCCAC CTCAGGCTNT TGGAGAAATG					
	AAACTGATTT CAAAAACTCG					
	CAGNNCTTTC ATTCGGTGTN	ACTTTTCTCT	NNAATTTTAA	CTNNTTTAAC	ACTTTTTGTC	300
35	GATTAATGNA ATGATAAACG	CTTTTATCGC	NN			332
	SEQ ID NO:1984					
	SEQUENCE LENGTH: 331					
40	SEQUENCE TYPE:nucleic	acid				
40	TOPOLOGY:linear					
	CLONE: HUNGS02261 SEQUENCE DESCRIPTION:					
	GATCCTGTGT GTGTGTACTA	CCATAGAATG	GGCCCCAAGA	TGCATGATNA	AGTGAGGAAA	60
45	AAAGCCCATG GTATCCTAAT					
	ATGTTTTCAC ACAGACGTAT					
	GTCTCTGGGA GGATATCTAG					
	AATGACTTTT CAATGTACAC ATCTATTAAA AAATAGTTCT			ICGIACCATG	IACATUTATT	300
50	ALGINIIAAA AAAIAUIIGI	INTITITAN	n			<b>551</b>

	SEQ ID NO:19					·	
	SEQUENCE LE						
	SEQUENCE TYPE		acid				
5	TOPOLOGY: lir	near					
	CLONE: HUMGS	02262					
	SEQUENCE DES	SCRIPTION:					
	GATCACCCGG (	CAAGTTCAGG	CTGAATTCTG	AAGGCAAACT	TGAGCAGACG	GTCTCCATGG	60
10	CAACCCGAGC 1	TTCAGAGGCC	GAGGATGCCT	CCCTTCTCAG	CTTCATGCAG	GGCTACATGA	120
	AGCACGCCAC (	CAAGACCGCC	AAGGATGCAC	TGAGCAGCGT	GCAGGAGTCC	CAGGTGGCCC	180
	AGCAGGCCAG (	GGCTGGGTG	ACCGATGGCT	TCAGTTCCCT	${\tt GAAAGACTAC}$	TGGAGCACCG	240
	TTAAGGACAA (	STTCTCTGAG	TTCTGGGATT	TGGACCCTGA	${\tt GGTCAGACCA}$	ACTTCAGCCG	300
	TGGCTGCCTG A	AGGACCTCAA	TACCON				326
15							
	SEQ ID NO:19	986					
	SEQUENCE LEN	NGTH: 321					
	SEQUENCE TYP	E:nucleic	acid				
20	TOPOLOGY:lin	near					
	CLONE: HUMGSO	)2263					
	SEQUENCE DES	SCRIPTION:					
	GATCCTTACA T	CTGCATCTA	GTTATCAGTA	ATTTAGATAT	TGAGCTATTT	TGATTTATAT	60
	TTAAGAAATT A	<b>LATACATTAG</b>	CACTGAAAGT	TAAATAGTGT	GTTTAAGGTA	GTTAATTTCA	120
25	GGTTGAATGG G						
	ATATTAAATA T	TATAGTAAA	${\tt AAGGAATGTG}$	TGGTATTTNC	TNCAGCAAAA	CTATTTTTGT	240
	GATNTTTTNA 1	TTCTCANCTT	TNTATTTAAA	AAATGTTACA	TCTGCAGAAA	AGTTGAAAGT	300
	ATAATAAACT (	CTTCAGTTAA	A .				321
30	•						
	SEQ ID NO:19	987					
	SEQUENCE LEN						
	SEQUENCE TYP	E:nucleic	acid				
	TOPOLOGY: lir	near					
35	CLONE: HUMGSO	)2264					
	SEQUENCE DES	<del>-</del>					
	GATCTGCGCT (						
	GTATTACCCT (						
40	GGTTCTNAGC A						
	GTTTTGCACA (						
	GCCGAATTCT A			GGGGCGGGAG	AGAAAGGTGG	TGCTGCAGTG	
	GTGGCCCTGG (	GGGCCATTC	N				321
45	SEQ ID NO:19	988					
	SEQUENCE LEN						
	SEQUENCE TYP		acid				
	TOPOLOGY: lir		-				
	CLONE: HUMGS	02266					
50	CEUILNUE DE						

			AGAACCTCTG AGCAGCAGAA				
			CACTCGCTGC				
5			CAGTTTGTAA				
	***************************************	•	ACTCGAAATT	CTTTATTCCA	AATAAAGATA	CTCCCTAAAT	
	AAGCACTTAG	ANAAA					315
10	SEQ ID NO:1	1989					
	SEQUENCE LE						
	-	PE:nucleic	acid				
	TOPOLOGY: 1 i	inear					
15	CLONE: HUMGS						
	SEQUENCE DE			<b>TO 1 1000100</b>	0010001110		
			GGTGGAGGTG TCTCCCAGGA				
	•		ACATGAGTCT				
20			TTAGACCGCT				
			TGTTAGCTTT				
	GAGCATTAGA	AA					312
25							
30							
35							
40							
45							
45							
			•				
50							
55							

	SEQ ID NO:1990	
	SEQUENCE LENGTH: 310	
	SEQUENCE TYPE: nucleic acid	
5	TOPOLOGY: linear	
	CLONE: HUNGS02269	
	SEQUENCE DESCRIPTION:	
	GATCTTGGGG TCCCCCGACG ACGTGCTCGA GTTCCTGAAG GTGTATGAGA AGCACTCNGC 60	
	CCAGTGAGCA CCTGCCCTGC CTGCATCTGG AGAATTGCCT CTACCTGGAC CTTTTGTCTC 120	
10	ACACAGCAGT ACCCTGACCT GCTGTGCACC TTACATTCCT AGAGAGCAGA AATAAAAAGC 180	
	ATGACTATTT CCACCATCAA ATGCTGTAGA ATGCTTGGCA CTCCCTAACC AAATGCTGTC 240	
	TCCATAATGC CACTGGTGTT AAGATATATT TTGAGTGGAT GGAGGAGAAA TAAACTTATT 300	
	CCTCCTTAAA 310	
15		
	SEQ ID NO:1991	
	SEQUENCE LENGTH: 305	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY:linear	
20	CLONE: HUMGS02270	
	SEQUENCE DESCRIPTION:	
	GATCCGAGTG AATGCAGTAA ACCCCACAGT GGTGATGACG TCCATGGGCC AGGCCACCTG 60	
	GAGTGACCCC CACAAGGCCA AGACTATGCT GAACCGAATC CCACTTGGCA AGTTTGCTGA 120	İ
25	GGTAGAGCAC GTGGTGAACG CCATCCTCTT TCTGCTGAGT GACCGAAGTG GCATGACCAC 180	)
	GGGTTCCACT TTGCCGNTGG AAGGGGGCTT CTGGGCCTGC TGAGCTCCCT CCACACACCT 240	)
	NAAGCCCCAT GGGCGTGCTC ATCCTACCCC CAATCCNTCC AATAAACCTG ATTCTGCTGG 300	)
	CCAAA 305	j
30	SEQ ID NO:1992	
	SEQUENCE LENGTH: 301	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY:linear	
35	CLONE: HUMGS02271	
	SEQUENCE DESCRIPTION:	^
	GATCGAGACA CGTGATGGGA AGCTGGTGTC TGAGTCCTCT GACGTCCTGC CCAAGTGAAC 6	v
	AGCTGCGGCA GCCCTCCCAG CCTACCCCTC CTGCGCTGCC CCAGNNNCTG GGAAGGAGGC 12	v
	CGCTATGCAG GGTAGCACTG GGAACAGGAG ACCCACCTGA GGCTCAGCCC TAGCCCTCAG 18	v
40	CCCACCTGGG GAGTTTACTA CCTGGGGACC CCCCTTGCCC ATGCNTCCAG CTACAAAACA 24	v
	ATTCAATTGC TTTTTTTTT TGGTCCAAAN TAAAACNTCA GTTAGCTNTG CCAATTTNAA 30	.,
	A 30	1
	GPO ID NO.1002	
45	SEQ ID NO:1993	
	SEQUENCE LENGTH:311 SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUNGSO2272	
	Choire . Hundovaa i	

	SEQUENCE DESCRIPTION:					
	GATCTGAACT CCAGCTGCCC	TACAAACTCC	GTCACAGCTT	TTNTTCTCAC	TTCATGTGAA	60
	AACTACCCCA GTGGCTGACT					
5	TAAAGCAGTC ATTCCTTAGT					
·	ACTTTGATAG CACTGATATG					
	TTTGAAGAAC CCCTCACTGT					
	TATTTCAGAA A	CACCITCCIG	Numer no con	interiorizati.	1211110110110	311
	INITIONUM A					0.1
10	SEQ ID NO:1994					
	SEQUENCE LENGTH: 297					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	acru				
15	CLONE: HUMGS02274					
,,	SEQUENCE DESCRIPTION:					
	GATCTAAAAC TNAAGAACAA	ATTCTATTTA	TTTATTATTG	GAAAATNAAA	AGCAACTCAA	60
	AACAACTTCA ACCTGGAGGT					
	ACTGTTTTAT AAATNCTTTT					
20	TTTTCCCTTT TTTCTCCATA					
	AAGTCTTGTG CTATAAAGGG					297
	ANUICITUIG CIAIAAAGG	UMACTICCCC	IMIMMMU	dociidonani	0010/1111	23.
	SEQ ID NO:1995					
25	SEQUENCE LENGTH: 293					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	acra				
	CLONE: HUMGS02275					
	SEQUENCE DESCRIPTION:					
30	GATCTAGGAG AGGCGGCTCT	GAACGATTAC	CTGCGGGTCA	AGACAGTNAC	CTTCGAATAC	60
	TGAAGAAAGG TCTTTTTAAG	•				
	CCTNTTAAGC CTGGNTGCAC					
	TGCACACCAT GTTTGCNTCT					
35	TNAGGTGTGC CCCTCCCAGG					293
	TRANSPORTED, COCTOCOAGO	Manufillatio	OI I OI / BBIG/			
	SEQ ID NO:1996					
	SEQUENCE LENGTH: 290					
	SEQUENCE TYPE:nucleic	acid				
40	TOPOLOGY: linear					
	CLONE: HUMGS02276					
	SEQUENCE DESCRIPTION:		-			
	GATCAGGAGG AAGTGAGCAG	TOGCOTGCCT	GCAGCAGGNA	GCTTTCTACT	CCTGCCTCAT	60
45	GCGTACGTCC CACAAATGCA					
	AGGCGCACAG TGTGAGCCCG					
	CGTTGTTGTG GGTTTGGTCC					
	TTGAAGGGCT TTATTAAAGA					290

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50

SEQ ID NO:1997

5	SEQUENCE LENGTH:289 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02277 SEQUENCE DESCRIPTION:	acid				
	GATCCTGAAG AGGATGGTGT	GGGAATGCAC	TTTGAGAAAT	GNCTATCTAA	CCTTTNGAAA	60
	CTTAAAGTGT TCCCAGTCCC					
	AATCTAGCAG CTCATCCCTT					
10	TCTGTCAAAG AACCTTCAAC	ACAGAAAAAT	ACANAAATGA	GGGAAATGTA	TAATTCCTGC	240
	AGGAGAGAAG TGTTGTTAAC	ATGTCAATAN	ATGTTCTTAG	ANAGTTAAA		289
15	SEQ ID NO:1998 SEQUENCE LENGTH:279 SEQUENCE TYPE:nucleic	:4				-
	TOPOLOGY: linear	aciu				
	CLONE: HUMGS02278					
	SEQUENCE DESCRIPTION:			÷		
20	GATCAGAGAA GCTAGGAGAG		GGCACAGAGG	ATTGGNNGCA	GGAGGAGTCT	60
	GGAACACAGC CTTCATGCCC					
	CAGTCGTATC CTCTGTCCGC					
	GGCCNAACCT GGGNCCTGNN					
25	TNTCTCCTCT AGGGTATTGG	GNTGCATGTN	NTGCACTNN			279
	0T0 ID NO 1000					
	SEQ ID NO:1999					
	SEQUENCE LENGTH: 274	: 1				
30	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acia				
	CLONE: HUMGS02279					
	SEQUENCE DESCRIPTION:					
	GATCATGAAG GAACACATAG	CACCAAGAGA	GGCCATGCTA	AATCTCGCCC	TGTCAGAGGT	60
05	ATCCACACTT CTCCTTTGGG					
35	CTGTTACACG TCATTGAAAC					
	CTTGGGGNCA GGGCCTTTGN					
	GCCATGACTC AATAAATACA		="			274
40	SEQ ID NO:2000					
	SEQUENCE LENGTH: 280					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	ac i u				
45	CLONE: HUMGS02280					
45	SEQUENCE DESCRIPTION:					
	GATCTTAACA AAATTCGTAG	CAGTGGAACC	TTGAAATGCA	TGTGGCTAGA	TTTATGCTAA	60
	AATGATTCTC AGTTAGCATT					
	ACTTAATAAA AGCTTAGGAT					
50	TINATITNOT TGAATACTTT	TTNCATAGTT	ATTTGTTTAA	AANGATTTAA	AAATCATTGC	240

•	ACTTTGGTCA GAAAAATAAT	AAATATATCT	NATAAACAAA			280
	SEQ ID NO:2001					
	SEQUENCE LENGTH: 271					
5	SEQUENCE TYPE:nucleic	anid				
	TOPOLOGY: linear	aciu .				
	CLONE: HUMGS02281					
	SEQUENCE DESCRIPTION:					
10	GATCTGCATG TTCTCTTTT	GGGTTCAAGC	<b>ለ</b>	ACAACACCCA	CCCTCCALCT	co
	CATGGGTAAA TATGTGTTGA					60
	AGCAATAGGG GAACTCATTT					
	TTCTAACATT TTNANNTTGC					
15	AGGTTAATAA AAGCCCATCT			UNITUNIUNA	ACTAACAAAG	271
15	AUGITANIAN ANGCERTET	CUICAIUIAA	Λ			211
	SEQ ID NO:2002					
	SEQUENCE LENGTH: 270					
•	SEQUENCE TYPE:nucleic	acid				
20	TOPOLOGY: linear	4014				
	CLONE: HUMGS02282					
	SEQUENCE DESCRIPTION:					
	GATCTTACCC GTGACAAAAT	GTGTTCCATG	GTCAAAAAAT	GGCAGACAAT	GATTGAAGCT	60
25	CACGTTGATG TCAAGACTAC					
	AAAAAACGCA NCAATCAGAT					
	AATNCGGGAG AAGATGATGG	GNAATCATTG	GCCCCGTGAG	GGTTCAAGGC	AAANTTTGCT	240
	TTTGAANGNA AGGGGGGNNA	ATAAATTNGN				270
30	SEQ ID NO:2003					
	SEQUENCE LENGTH: 265					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
35	CLONE: HUMGS02283					
	SEQUENCE DESCRIPTION:					
	GATCCCAACA GAAGAACATC					60
	GTCTGGGGTC CTGGCCTGCG					
40	AGTTGTGTGC TCTCACACAG					
••	CACGAGNGTN GGCTCTACCC		TTGCTGTGTA	TACGCTTNTT	GCCCTTAAAT	
	AAATATGCAC ATTTTATCCA	TTAAA				265
	CEO ID NO.2004					
	SEQ ID NO:2004 SEQUENCE LENGTH:249					
45	SEQUENCE TYPE: nucleic	anid				
	TOPOLOGY: linear	aciu				
	CLONE: HUMGS02285					
	SEQUENCE DESCRIPTION:					
50	GATCCACATT GTTAGGTGCT	GACCTAGACA	GAGATGAACT	GAGGTCCTTG	TTTTGTTTTG	60

5	TTCATAATAC AAAGGTGCTA TAGAAGAATT TGAGAAGAAA AAAATTTGAT TTAGCATTCA TTGCCCAAA	TACTCCTGTA	TTGAGTTGTA	TCGTGTGGTG	TATTTTTAA	180
10	SEQ ID NO:2005 SEQUENCE LENGTH:242 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO2287	acid				
15	SEQUENCE DESCRIPTION: GATCAGGAGC AAACAGACCC CCAGCCCGGG AGGCAGAACC TGGCACCTCC TGGAAACAGT AGTCCCCAGG CCATGAGCCT AA	AGGCAGCCTC CCACTTGGGC	CNTGGCCCCA GCAAAACCCA	GGCAGCCCTT GTGCCTTCCA	TTCCCTCCAG AATGAGCTGC	120 180
20						•
	SEQ ID NO:2006 SEQUENCE LENGTH:239 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid	·			
. · · · · · · · · · · · · · · · · · · ·	CLONE:HUMGS02288 SEQUENCE DESCRIPTION: GATCTAAGTT TGATAAGAGC					
30	TCCAGGACTG GGTTCAGAAG AAAGAAGATT TCAGCTGGAG GTTAAGTNTG GGTCCANCCT	AGGCAAAGTG	GCGGGAGTGG	CAGAGTGGTG	CGTAAGTGTG	180
35	SEQ ID NO:2007 SEQUENCE LENGTH:238 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02289	acid	·			
40	SEQUENCE DESCRIPTION: GATCCTGAAG GTAATACAAT GTAAAATAAG CATTCCACAT TTACAGCGAA AAGTCTTTTC TATTGACTAA CAAAATGATG	TTATAAACAA AAACAGAAGC	CAGGTTATTT ACCTAATATT	CAGGAAGATA TAATATATTA	TTTTCATATC TTTTGTAAAT	120 180
<b>45</b>	SEQ ID NO:2008 SEQUENCE LENGTH:236 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
50	CLONE: HUMGS02290 SEQUENCE DESCRIPTION:					

	GATCCTGAGA NCTTCAAGCT GGCAAAGAAT TCACCCCTGA AGTNCCCTGT CCTCCAGATA	GGTGCAGGCT CCACTGAGCT	TCCTGGCAGA CACTGCCCAT	AGATGGTGAC NATGCAGAGC	TGGAGTGGCC TTTCAAGGAT	180
5	AGGCTTTATT CTGCAAGCAA SEQ ID NO:2009	TCAAATAATA	AATNTATTUT	GCTANGNNAA	AACAAA	236
10	SEQUENCE LENGTH:235 SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear CLONE:HUMGS02291 SEQUENCE DESCRIPTION:					
15	GATCATTACC ATTACAGGAA CAGTGTGAAG CAGTATGCAG					
15	TAGTGTGAAG CAGTATTCTG GCATCTTTTN NNGTTTAANC	GAAAGTTTTT	CTAAGACTAG	TGAAGAACTG	AAGGAGTCCT	180 235
20	SEQ ID NO:2010 SEQUENCE LENGTH:233	-				
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear CLONE: HUMGS02292					
25	SEQUENCE DESCRIPTION:					
•	GATCCTGAAG AACTTCAAGC	TCCTGGGAAA	TATGCTGGTG	ACCGTTTTGG	CAANNNGTTT	60
	CGGCAAAGAN TTCACCCCTG	AGGTGCAGGC	TTCCTGGCAG	AAGATGGTGA	CTGGAGTGGC	120
	CAGTGCCCTG TCCTCCANAT TAGGCTTTAT NCTGCAAGCA					233
30	TAGGUITTAI NUIGUAAGUA	AIACAAAIAA	IAANICINIC	CICCIANUAG	num.	200
	SEQ ID NO:2011					
	SEQUENCE LENGTH: 229					
	SEQUENCE TYPE:nucleic	acid				
35	TOPOLOGY: linear					
	CLONE: HUMGS02293 SEQUENCE DESCRIPTION:					
	GATCCTTGAC GAGGAGAGAG	AGCTTGAAAA	GCTGTTTCAG	CTGGGCCCCG	CTTCACCTGT	60
	GAAGATGCCC TCTCCACCAT	GGGAATCCAA	TCTGTTGCAG	TCTCCTTCAA	GCATTCTGTC	120
40	GACCCTGGAT GTTGAATTGC	CACCTGTTT	CTGTGACATA	GATATTTAAA	TTTCTTAGT	180
	CTTCAGAGTT TGTGTGTATT	TGTATTAATA	AAGCATTCTT	TAACAGAAA		229
	SEQ ID NO:2012					
45	SEQUENCE LENGTH: 223 SEQUENCE TYPE: nucleio	acid				
	TOPOLOGY: linear	, 4014				
	CLONE: HUMGS02294					
	SEQUENCE DESCRIPTION:					
50	CATCTCCCAT ASSTASATTS	TATAAATAA 1	T TTAATGCTC	C ATTTTTTAA	r grtgctttt	C 60

	ATACTAAAGA ATGGTGTAG CAATGTTTTA GAGNAGGAA TGCATTAAAT GATGGTGGC	A TNATTTTTN	GGTAGAAATT	GTTCANGAAC		
5	SEQ ID NO:2013 SEQUENCE LENGTH:221					
10	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02295	c acid				
	SEQUENCE DESCRIPTION GATCAATGCC CTCATCTGCA ACCANAGGAG GTCCTGCCCC	ATGTAGGGC				60 120
15	GCAAAGAAAG AAGAATCCGA				TTTTGACTAA	180 221
. 20	SEQ ID NO:2014 SEQUENCE LENGTH:219 SEQUENCE TYPE:nucleic	: acid				
	TOPOLOGY:linear CLONE:HUMGS02296 SEQUENCE DESCRIPTION:					
25	GATCTGTAGT GTCATGGGTC TCCACTCCTG CCCCGCCTCA	CCCCACATGC	TCCCTGTTTC	TAATGCTTTC	TCTAACTTCC	
•	TAATGTAAAC CTNACTTTA1			IAGCCATICI	NAAATAINAG	219
30	SEQ ID NO:2015 SEQUENCE LENGTH:216 SEQUENCE TYPE:nucleic	acid				
35	TOPOLOGY:linear CLONE:HUMGS02297 SEQUENCE DESCRIPTION: GATCAGGTTT GTTGAGTTTT		TCCAAAGCAT	GGAAGAGTGC	TCTAGGTAGG	60
40	AAAGAAAGCT TTTTCTTACG AGGATTAAGC CCTTAGTCTG TAATAACAAT AAAAGTTGTG	ATTTGTAGCT CTCTTGCAAT	ACCTACTGTG TATTCAAATG	CCTGACTTGG	TGCCTGTGTG	120
	SEQ ID NO:2016 SEQUENCE LENGTH:210					
45	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02298 SEQUENCE DESCRIPTION:	,	·			
50	GATCCTGCCA TCACTGCTGC AGCCCAACTG TGCCTGCTAG					60 120

	CCAACAAACA GCATTTGTAA	ATGGTCTATT	AGCCTTCATT	TATACTGCCT	AACAATTATT	180
	TGAAGGAATA AATTGATGTC	AATGGCTAAA				210
_	SEO ID NO.2017					
5	SEQ ID NO:2017 SEQUENCE LENGTH:219				٠	
	SEQUENCE TYPE: nucleic	aaid				
	TOPOLOGY: linear	aciu				
	CLONE: HUNGS02299					
10	SEQUENCE DESCRIPTION:					
	GATCTAGCCT GATTCCTGCG	TGTCCGAAAG	AACTTAACGT	TTT111GGTN	ATTGTNAAGT	60
	AACTGTGTGG GGTTCTAATG					
	GGCCTCTATC CTAATGACTC					_
15	CGGAATTATA AATATATATN			om om om o	111111100000	219
-						
	SEQ ID NO:2018					
	SEQUENCE LENGTH: 208					
20	SEQUENCE TYPE: nucleic	acid				
20	TOPOLOGY:linear					
•	CLONE: HUMGS02300					
	SEQUENCE DESCRIPTION:					
	GATCCGGGGC ACAAAGAGGG					
25	CCCCCCNACC TCCAGCCGAG					
	CCAGGGGACC TCCTTTCANA		AGAGATGAAA	TGTTTTTCCA	TATTTAAATA	
	AATAAGAACA TTAAAAAGCA	ACCCCAAA				208
	SEQ ID NO:2019					
30	SEQUENCE LENGTH: 202		•			
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS02301					
35	SEQUENCE DESCRIPTION:					
	GATCTCAAGG CTGCCGTACT	GGAGGCCATG	ACTGCCTTCC	GCAGAGCAGG	TGCTGACATC	60
	ATCATCACCN ACTACACACC	GCAGCTGCTG	CAGTGGCTGA	AGGAGGAATG	ATGGAGACAG	120
	TGCCAGGCCC AAGAACTAGA	ACTTTAAAAC	GTTCCCGGGG	CCTCAGACAA	GTGAAAACCA	180
40	AAGTAAATGC TGCTTTTAGA	AA				202
40	474 th Waller				٥	
	SEQ ID NO:2020					
	SEQUENCE LENGTH: 224					
	SEQUENCE TYPE:nucleic	acid				
45	TOPOLOGY:linear					
	CLONE: HUMGS02302					
	SEQUENCE DESCRIPTION: GATCTTCTTT GAGACAAGGC	***********	C1#C#10CC	C14C1C1C4C	<b>ጥ</b> ርጥጥጥርጥህ • ጥ	co
	TGTCTGTGTG TCTGTCTCCC					
50	TGTCCGTTCT CTGTATCCCC					
	OIGINIOCO	WOLLOSTIGN	<b>ACAGAGGGAG</b>	IUCIONCIUI	OTMITTUMIN	100

	AATGGACAAA GAGAGAGGAT	GACCCTCACG	GGGAGACAGA	GAAA		224
5	SEQ ID NO:2021 SEQUENCE LENGTH:195 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
10	CLONE: HUMGS 02303 SEQUENCE DESCRIPTION: GATCGGCAAA TGCATTGGCC AGGCAATGAT TAAGTTAGGC GTATGGAGAG ATTCAAGAAA TGGCTTATAG TCAAA	AATTTCCAGT	ATGTTAAGTA	ACACACTTAT	TTTTGCCTGT	
	IGUCITATAG ICAAA					133
15	SEQ ID NO:2022 SEQUENCE LENGTH:193 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
20	CLONE:HUMGS02304 SEQUENCE DESCRIPTION: GATCTGTGCC GTGGTCCTGA TTTTCCATC AAGCTGTAGC	CTGCAGAGAA	TGGAAACGTG	GGAAAGGAAT	GGTATGTGGG	
25	GGAAATGCAT CCCCTCAGAG TTCTATCTTG AAA	GACTGAGGCA	TAGTCTCTCA	TCTGCTATTG	AATAAAGACC	180
30	SEQ ID NO:2023 SEQUENCE LENGTH:192 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02305 SEQUENCE DESCRIPTION: GATCTNCCCT GCATCCTGAC		<b>م</b> دروټوردرو	CAACAGACTC	CCCCTGGGAG	60
	ATTCAGCCTA TTCACTGATG GCACCTACGA TATAGTCCAG GAAAACCACA AA	AGGAAAGTGA	AGCCGGGTCT	CCTGTCTCCC	CAAATTCATT	120
40	SEQ ID NO:2024 SEQUENCE LENGTH:191 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02306	acid				
45	SEQUENCE DESCRIPTION: GATCCCTAAC TACCAACCCC AGTGGAGTTT AAGAGATAGA GGAATGACCA GGGTTCAAGT	CTTGCAGGCT	GCTATCCTTA	ACATGCTGCC	CCTGAGAGTA	120
50	GTTTAATCAA A					191

. 55

5	SEQ ID NO:2025 SEQUENCE LENGTH:186 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02307 SEQUENCE DESCRIPTION:
10	GATCGTATTT CAGTTTTTTG GGTCAATATA TGAACAATGT GTGAACCAGA ACGTATGGTA 60 TTTGACATCA AAGCTATGTC TTGGCATATG TTTATGTTGA TATACTTGAA TTCATTTAAA 120 ATGGAATGTT AATTACATCG ACTTCTTACT ATAAAAAATA AAAAGTTATT GTCCAGTGCA 180 CAGAAA 180
15	SEQ ID NO:2026 SEQUENCE LENGTH:380 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02308
20	SEQUENCE DESCRIPTION:  GATCCATTGA GAAAGAGATG ATGTAATAAA TAATTAAGAT TAGTAATAAT ATTATCAGGG 60 GTGATTATGA CCAGTTGAAT AATCTCTTTC CCTTGAATTA TTTAGCTAAC AAATTAACTC 120 TCCCAAATAT NTAAANTAAT GTAAANTCAT ATTTNACTGC CCATTATTAA CTAAAATATT 180
25	TNTGTNTGAC TTTGAGCACC AACTGGTAAT ACTAGTAAAT ACCCATGTCA TGCAGATGGC 240 TGGGCGAATA AGAGATGTCT AAAAATATGC ACTGGTCTTG GGAAACATGG CACAAGTAAG 300 GNTATCATAT ATGANGTCTG GTTTATTTTA TGTCTGATTT CTTTTTGANT GAGTAGTTNG 360 GGACTCCANT TCTAAGGNTN 380
30	SEQ ID NO:2027 SEQUENCE LENGTH:183 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
35	CLONE:HUMGS02309 SEQUENCE DESCRIPTION: GATCTCTCCA CAGGGCTTGT TTTCCAAAGA AAAGTATTGT TTGGAGGAGC AAAGTTAAAA 60 GCCTACCTAA GCATATCGTA AAGCTGTTCA AAAATAACTC AGACCCAGTC TTGTGGATGG 120 AAATGTAGTG CTCGAGTCAC ATTCTGCTTA AAGTTGTAAC AAATACAGAT GAGTTAAAAG 180 AAA 18
40	AAA 10.
45	SEQ ID NO:2028 SEQUENCE LENGTH:188 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02310 SEQUENCE DESCRIPTION:
50	GATCTGCAGC TGCCTTGGGA CTTGAATCCA TGCAATGTTT AGAGTGTGAA GTCAGTTACT 6 TGTTGATGTT TTCTTACTGT ATCAATGAAA TACATATTGT NATGTCAGTN CTTGCCAGGA 12

	ACTTCTCAAC AAAATGGAAT CTGNTAAA	TTNNTTTTNC	AGTATTTCAA	TAAATATTGA	TATGCCCAGC	180 188
5	070 17 10 000					
	SEQ ID NO: 2029					
	SEQUENCE LENGTH: 178	. ,				
	SEQUENCE TYPE:nucleic	acid				
**	TOPOLOGY: linear					
10	CLONE: HUMGS02311					
	SEQUENCE DESCRIPTION:					
	GATCCATGCT GATTTTATT					
	CAAACTAGAG TATATATTGT					
15	TACANAAATT TCTGAACTTT	AGTAAAAAA	AAATAAAGTT	AAACTTTTAA	AACTCAAA	178
	SEQ ID NO:2030					
	SEQUENCE LENGTH: 176					
	SEQUENCE TYPE: nucleic	acid				
20	TOPOLOGY:linear					
	CLONE: HUMGS02312					
	SEQUENCE DESCRIPTION:					
	GATCGGTATG TTTTGAAAAG					
25	AAGTCCATTG CCGGCAATGG					
	CTTATTAACG GTGAGGTGAA	TAACTTTGAA	ATAAAGTTTT	AGAGAAATGT	TTCAAA	176
	SEQ ID NO:2031					
	SEQUENCE LENGTH: 174					
30	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS02313					
	SEQUENCE DESCRIPTION:					
35	GATCCGCCTG GCAGCCATTG					
	GATACCCAAA TTCGCCGTTG					
	AATAAGAGAT GCCCTGTACT	GATGCAAAAT	TTAATAAAGT	TTGTCACAGA	GAAA	174
	SEQ ID NO: 2032					
40	SEQUENCE LENGTH: 172					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUNGS02314					
45	SEQUENCE DESCRIPTION:					
	GATCCAGAAG TTATGGTGGC					60
	TACCAGAGCA ACCCAAAGGT					
	CAAGCGTAAT GTCCTTCTGA	TAAATAAAGC	CCTTNCTGAA	GUAAAAGCAA	CN	172
50	SEQ ID NO:2033				٠.	
	SEQUENCE LENGTH: 170					

	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02315
5	SEQUENCE DESCRIPTION: GATCTCAGGA CCTCTTTACA CTTTTCAAAG TTACTTAAGA CTCTGAAGAG CTTTTCTTTA 60 TGAGGTTATA TCAATATTTA CTACATTAAA AATTAAAACA GAAAATTTAA AGTAGGTATT 120 TATTGATTTA TTTAAACAAT AAAAATAATA AAGTATTACA TGCTAACAAA 170
10	SEQ ID NO:2034
	SEQUENCE LENGTH:169 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
15	CLONE: HUMGS02316 SEQUENCE DESCRIPTION:
	GATCCGTTTG CTGTGAACCC TATGTTATTT CCATGTGTCA AGTGGGTCTT GTGTTGCCAG 60
	CTTCTATTTG AAGATTGCGT TTGCACTCAG TGTAAGTTTC TGTCAGCAGT AGTTTCACCC 120 ATTTGCATGG AAAAATTTAA AGCTAATAAA GCAATTTAAA AAGCACAAA 169
20	SEQ ID NO:2035
	SEQUENCE LENGTH: 159
25	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
	GLONE: HUMGS02317 SEQUENCE DESCRIPTION:
	GATCCCACAG TCTCAGCCCT GCTTACTAGT GAGAAAGACT GGCAAGGTTT CCTAGAGCTC 60 TACTTACAGA ACAGCCCTGA GNCCTGTAAC TATGGGCTCT GAAGGGGGCA GGAGTCAGCA 120
30	ATAAAGCTAT GTCTGATATT TTCCTTCACT AATATGAAA 159
	SEQ ID NO:2036
35	SEQUENCE TYPE:nucleic acid
	TOPOLOGY:linear CLONE:HUMGS02318
	SEQUENCE DESCRIPTION: GATCCGGGGN AGCTAGGATG GGGAACCTGC CACAGCCAGA ACTGAGGGGC TGGCCCCAGG 60
40	CAGCTCCCAG GGGGTAGAAC GGCCCTGTGC TTAAGACACT CCTGCTGCCC CGTCTTGAGG 120 GTGGCGATTA AAGTTGCTTC ACATCNTCAA A 151
	GIGGEGATTA AAGTIGETIC ACATERICAA A
45	SEQ ID NO:2037 SEQUENCE LENGTH:148
	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
	CLONE: HUMGS02319 SEQUENCE DESCRIPTION:
50	CATCHACAT CAAACTAACA CCTTTCACAA ACGAGACTNT TGNCATCTTT TCACCAAGGA 60

	GTATATTTGT AGAGTAATAT TGAGGCTTAT TTAAGCTGGA		NTTTNAAATT	ATATCATTTG	ACATGATTTA	120 148
5	SEQ ID NO:2038 SEQUENCE LENGTH:143 SEQUENCE TYPE:nucleic	acid				
10	TOPOLOGY:linear CLONE:HUMGSO2321 SEQUENCE DESCRIPTION: GATCTGGTCT AGTTAACCTA	GAAGTATTT	тстстсттас	AAATACTTGT	GATTTTATA	60
15	ATACAAAAGG GTCTTGACTC TTACTTGAAT TTCAAACATC	TAAATGCAGT				
20	SEQ ID NO:2039 SEQUENCE LENGTH:142 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02322 SEQUENCE DESCRIPTION:	acid	÷			
25	GATCTGGAGG AGGTGAAGGC CATGCTCTCC AAACCACTTT TAAAACCTGA CAGACCATGA	TTGCAGCTTT				
30	SEQ ID NO:2040 SEQUENCE LENGTH:156 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02323 SEQUENCE DESCRIPTION:	acid				
35	GATCGAAAGA AGAACATCAT GCTGAAGTCA GTTATTCATC AAGATATAAT AAATAAAAGC	AAGAATGCAA	TTAGACTAAT			
40	SEQ ID NO:2041 SEQUENCE LENGTH:138 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02324	acid	·			
45	SEQUENCE DESCRIPTION: GATCTCTCCT TCAGTCTGCT CCTAATTGTA CACAGTTTAG TCACAAAGTT GGTTTAAA					60 120 138
50	SEQ ID NO:2042 SEQUENCE LENGTH:137					

5	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02325 SEQUENCE DESCRIPTION: GATCCACAGG CAGAGCCAAG TGTACTTGTC ACATTGGTGT AATAATTCTC TGAGAAA	GGAAGGTGTG				60 120 137
10	SEQ ID NO:2043 SEQUENCE LENGTH:134 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02326	acid				
20	SEQUENCE DESCRIPTION: GATCCAAACT GGAANCAGCT ATGTNCAGAG CTTGAAATAT CATGGATAAN TCTN					
25	SEQ ID NO:2044 SEQUENCE LENGTH:133 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE:HUMGS02327 SEQUENCE DESCRIPTION: GATCCAAGCA GGCCTTGAAT GCAGGGACAT GTGGTTATTT					120
30	TCATAAACCT AAA SEQ ID NO:2045 SEQUENCE LENGTH:132					133
35	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02328 SEQUENCE DESCRIPTION:					
40	GATCACCTGT AGGGAAATGA TTCCCCAACT GGGGGTGGAC ATTTTTTGGA AA					
45	SEQ ID NO:2046 SEQUENCE LENGTH:130 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02329 SEQUENCE DESCRIPTION:					
50	GATCCCAGGA ACTGTGGGCA		GTGTCTCCCA	GCCCATTTCC	ACTCCTAGT	06 1

	TGTCATGGAT AATNTTTGTT ACTCGTTAAA	GTTCCCTGTG	TGATTTTTGC	CATCAAAATA	AAAATTTGAG	120 130
5	SEQ ID NO:2047 SEQUENCE LENGTH:130 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02330	acid				
10	SEQUENCE DESCRIPTION: GATCCAAGGT CAAAAAAACA ATCTTACTGC TAATTCATTG GTCAATANTN			•		60 120 130
15	ano in vo oo o					
20	SEQ ID NO:2048 SEQUENCE LENGTH:130 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02331	acid .				
25	SEQUENCE DESCRIPTION: GATCAGATAT ACAAAAATAA TTTGAAAATT TTTACCAAGA AAGCAATAAA					
30	SEQ ID NO:2049 SEQUENCE LENGTH:129 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02332 SEQUENCE DESCRIPTION:	acid				
35	GATCTATATT CCCTTATTGC TTCAGTGTAC TCATATGTCT ATAGAGAAA					
40	SEQ ID NO:2050 SEQUENCE LENGTH:129 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02333 SEQUENCE DESCRIPTION:	acid				
45	GATCAAAAGC TTATTCNTTT AAANANATAA TTTTTTTAA TGGAAAGAN					
50	SEQ ID NO:2051 SEQUENCE LENGTH:148					

5	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02334 SEQUENCE DESCRIPTION:	acid				
	GATCTGAACA CCACAGCCCC AGTGCATGGA GAGAAAATTT ATCATTAAAT TGTTTTATTT	TGTCCTCTTG				60 120 148
10						
15	SEQ ID NO:2052 SEQUENCE LENGTH:132 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02336 SEQUENCE DESCRIPTION:	acid				
	GATCCANCTN TNTCAACCTC	CCAAGTAGGA	TTACAAGCAT	ACGCCGACGA	TGCCCAGAAT	60
20	CCAGAAACTTT GTCTATNACT CCAGAAAACA AA	CTCCCCAACA	ACCTAGATGT	GAAAACAGAA	TAAACTTCAC	120 132
25	SEQ ID NO:2053 SEQUENCE LENGTH:126 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02337 SEQUENCE DESCRIPTION:	acid				
30	GATCCATCCT TCCTGCCTCC ATTTTCTTAA CGTGTACAGA AGGAAA					60 120 126
35	SEQ ID NO:2054 SEQUENCE LENGTH:126 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02338	acid				
40	SEQUENCE DESCRIPTION: GATCAAAAAA GCTCACGTCG TTGTACCAGA ATGGAATTTT CCCAAA					60 120 126
45	SEQ ID NO:2055 SEQUENCE LENGTH:125 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02339	acid				
50	SEQUENCE DESCRIPTION: GATCAAATCT TACAGTTCAT	CACAGAATCC	ATGTTGGTGA	TAAATNCTAT	AAAAGTAATA	60

	GGGGTGGTAA GAACATCAGA TGAAA	GANTCCACAC	AGGAAAAAA	ATCTATAAAA	NGATTCTTTG	120 125
5	SEQ ID NO:2056 SEQUENCE LENGTH:124 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02340	acid				
10 .	SEQUENCE DESCRIPTION: GATCCCACAG AAATGTTTTG CCCTCCAACC AGAGTTGTGT GAAA					60 120 124
	SEQ ID NO:2057 SEQUENCE LENGTH:207 SEQUENCE TYPE:nucleic	acid				
20	TOPOLOGY:linear CLONE:HUMGS02341 SEQUENCE DESCRIPTION: GATCACTTCT GAATAAGCAG					
25	AGGTTATAGT TTAAATNTGT NAACAGGGTT TTTCAAGTTG AANTTAAAGA TGTCATTGGN	TATAATTCTC				
30	SEQ ID NO:2058 SEQUENCE LENGTH:120 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02342	acid			•	
35	SEQUENCE DESCRIPTION: GATCTTTACT CTTGAGAAAT ACAAAACTGA GCCTGTATAA					60 120
40	SEQ ID NO:2059 SEQUENCE LENGTH:119 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02343 SEQUENCE DESCRIPTION:	acid				
45	GATCCAAGGT ATCCNTAACA CCACCTAAAG AAACTTNTAG					
	SEQ ID NO:2060 SEQUENCE LENGTH:127				•	
50	SEQUENCE TYPE:nucleic	acid				

5	TOPOLOGY:linear CLONE:HUMGS02345 SEQUENCE DESCRIPTION: GATCCCCTCT TCTCAGACAG CGCCAGGCCG GGGTGGGGCC GGGGTTGGGG CCGAGCCCCA 6 CAGCTGCCCC CCTCCCNTCC CNTTTTGTAT AATTTAATAA AGAAATGGTC GCGCTTCTGT 12 TTTTAAA 12	0
10	SEQ ID NO:2061 SEQUENCE LENGTH:117 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO2346	
15	SEQUENCE DESCRIPTION: GATCGAGGTG GAGAAGATGC GGCGGGCGGA GNCTTATNAC CGNNTAGAGA ACAGCCCACA 60 GNTGGATGGG AGCCCCCCAG GGCTCGAGGG TCTGCTGGGG GGCATTGGGG AGAAAGN 117	
25	SEQ ID NO:2062 SEQUENCE LENGTH:115 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02347	
25	SEQUENCE DESCRIPTION: GATCTGCTGA GGACACATGC GCTTTTGTAG AATTTAACAT CTGGTGTTTT TCTGAAAAAA 60 TATATATACA TATATTGCTT TATTTGAAAC AAATNAAAAT ATGCTGCATT TGAAA 115	-
30	SEQ ID NO:2063 SEQUENCE LENGTH:114 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02348	
35	SEQUENCE DESCRIPTION: GATCTGGAGG AGGTGAAGGC CAAGGTGCTG CCCGCTGGGC CTCCCAACGG GCCCTCCTCC 6CCCCCCTTGCA CCGGCCCTTC CTGGTCTTTG AATAAAGTCT GAGTGGGCGG CAAA 114	
40	SEQ ID NO:2064 SEQUENCE LENGTH:114 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
45	CLONE: HUMGS02349 SEQUENCE DESCRIPTION: GATCCAAAGT ATCAGGTCTG TTAGTGGCCA TCAGCACTTT AATATTGCCT CGAGGAGGAT 60 TTCTTGGNCN CNNNAAATAA GGTCATTAAG TCTTATGCCA AATTCAGTGC TCCN 114	
50	SEQ ID NO:2065 SEQUENCE LENGTH:113	

5	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02350 SEQUENCE DESCRIPTION:	
	GATCCTAGAT AAGCAGGTGA AATTTAGGCT TCAGAATATA TCCGAGAGGT GGGGAGGGTC	60 13
10	SEQ ID NO:2066 SEQUENCE LENGTH:109 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
15	OMAGGGGGGG GAARGAGAAAAAAAAAAAAAAAAAAAAAAA	60 09
20	SEQ ID NO:2067 SEQUENCE LENGTH:108 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
25	CRECK LANGE MESSAGE LANGE LANG	60 08
30	SEQ ID NO:2068 SEQUENCE LENGTH:108 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
35	CLONE:HUMGS02353 SEQUENCE DESCRIPTION: GATCTTAAGC AAAAATACTC ACTGAAATAG TATGTGGATG AATTCACCTA CTTACAATTT 6 TATGGTTTCT TTGTAAATAA TAAATGTGAA TCTCAATTCT GCTTTAAA 10	0 8
40	SEQ ID NO:2069 SEQUENCE LENGTH:104 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
45	OFFICE AND A CONTRACT OF THE C	i0 14
50	SEQ ID NO:2070 SEQUENCE LENGTH:408	

	SEQUENCE TYPE:nucleic acid		
	TOPOLOGY:linear		
	CLONE: HUNGS02355		
5	SEQUENCE DESCRIPTION:		
	GATCAGAGCT GCTGAGTTCA GGATGCCTGC GTGTGGTTTA G		
	GATGTNAGGA GAGCTGCTGC CCTCTTGGCG TGAGTTGCGT A		
	CTTTGGCCAG AGAGCTGGTT GAAGATGTTT GTAATCGTTT T		
10	GTGCCCCTGT GGTGGAAGAG GGCACGACAG TNCANGCGCA N		
	GCAGGGGTGG GATGTGAGTC ATGCGGATTA TCCACTCGCC A		
	CTCCCTGTCC TGTTTCCCCA CTCTCTTATT TGTGCATTCG G		360
	AATTTTTAA TAAAGTTGAN TAAAANTATA AAAANAAGAG N	NGGCGNN	408
15	CEO ID NO 2001		
15	SEQ ID NO:2071 SEQUENCE LENGTH:101		
	SEQUENCE TYPE: nucleic acid		
	TOPOLOGY: linear		
	CLONE: HUMGS02356		
20	SEQUENCE DESCRIPTION:		
	GATCAAAAGC TTATTCATCT TTTTTCTTTT TCCTTTGGTG T	***************************************	60
	AAAANCATAA TTTCNTTAAN CNATTTTCCC TCTTTCTCNT N	i	101
	The state of the s	•	101
25	SEQ ID NO:2072		
	SEQUENCE LENGTH: 102		
	SEQUENCE TYPE:nucleic acid		
	TOPOLOGY:linear		
30	CLONE: HUMGS02357		
00	SEQUENCE DESCRIPTION:		
	GATCAAAAA AGAGTTTGAA GCTAATTTTG GCAAAATTCA G		60
	TATTTAACCC TGTGGCACCA TTAAATGTTG AAGAATGACA AA	A	102
	ATO ID NO DOTO		
35	SEQ ID NO: 2073		
	SEQUENCE LENGTH:95 SEQUENCE TYPE:nucleic acid		
	TOPOLOGY: linear		
	CLONE: HUMGS02358		
40	SEQUENCE DESCRIPTION:		
	GATCTTTTT GTCAGTTTGT TTGTATGAAA CTAAAGCCNT TA	<b>ል</b> ተተተርተተልል ተልርተተርርተርር	60
	TAAAACAATG AATAAAAACT CAAGGAGCAA CTAAA	ATTIUTIAN INGITECTUC	95
	viatomiovini oʻildi		J J
45	SEQ ID NO:2074		
	SEQUENCE LENGTH: 92		
	SEQUENCE TYPE: nucleic acid		
	TOPOLOGY: linear		
50	CLONE: HUNGS02359		
00	SEQUENCE DESCRIPTION:		

	GATCGTCTCT AGGATGATAT GCATGTTTCA AGTGGTATTG AAAGCCGCAC TGATGGATAT 60 GTAATAATAA ACATATCTGT TATTAATATA AA 92	
5	SEQ ID NO:2075 SEQUENCE LENGTH:101 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
10	CLONE:HUMGS02360 SEQUENCE DESCRIPTION: GATCTAAGTT AGGAAAGACG ATGGAGGTGG AATCCTTTAA GATTATNTCC AGTTATTTGC 60 TTTAATAAAG AAGAAGTTAC CCTTGTCAAA ATCAGAACAA A 101	
15	SEQ ID NO:2076 SEQUENCE LENGTH:87 SEQUENCE TYPE:nucleic acid	
20	TOPOLOGY:linear CLONE:HUMGS02361 SEQUENCE DESCRIPTION: GATCTTCATT TATTTTAATG GTAATGGTTT TAAAATATGT TCCTGATTGT ACATATTNTA 60 AAATAAACAT GTTTTTTAAC ATGCAAA 87	
25	SEQ ID NO:2077 SEQUENCE LENGTH:88 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02362	
30	SEQUENCE DESCRIPTION: GATCACAAAC ATTCAACAAA AAAGTTAACT TATGTGACTT GGCAGTTATT CTATACCATT 60 TCCTGTCCAT TAAAATTTTT AAAGGAAA 88	
35	SEQ ID NO:2078 SEQUENCE LENGTH:85 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02363	
40	SEQUENCE DESCRIPTION: GATCCCATTT AATATTTAAA AAAATCAGTA GCACAAATAT ATNTNAATTG TCAACTTACA 60 AAATAAAATA CATTTACAGT CTAAA 85	
45	SEQ ID NO:2079 SEQUENCE LENGTH:82 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02364	
50	SEQUENCE DESCRIPTION:	

	GATCATCAAA AAAGAGGTAA AACTTCAACT TTCTAAGTTA		TTCCTATTCT	AATGTCTTTT	CCTAATAAAA	60 82
10	SEQ ID NO:2080 SEQUENCE LENGTH:80 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02365 SEQUENCE DESCRIPTION:					
	GATCCTTTCG GAATTGCACT TAAAGGAAAA TAGATGGAAA	TTTACATGTT	GGGCGAATTT	GTGTCCGTGC	TGAAGTTTAT	60 80
15	SEQ ID NO:2081 SEQUENCE LENGTH:80 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02366	acid				
20	SEQUENCE DESCRIPTION: GATCAAGCCT TGCTTGAGAT AATNCTGTTT ATTGTTTAAA	TGGCCTTACC	TCTGGNCNTT	TTTTGTTATA	TGAGCTAATA	60 80
	SEQ ID NO:2082 SEQUENCE LENGTH:80 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02367	acid				
30	SEQUENCE DESCRIPTION: GATCCATGAA GTNATTCAGT CTCACTATAC AATGGTCAAA	GGAAANATGC	ACGTTNATAC	TATTTNAGAG	CACAAATAAA	60 80
35	SEQ ID NO:2083 SEQUENCE LENGTH:76 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE:HUMGS02368 SEQUENCE DESCRIPTION: GATCAAACCT CAAAGCAGCT ACATTATCAC CNTAAA	TTNACTTGGA	ATTTAAAAAT	AAACAGTTCA	AAGATACTCT	60 76
45	SEQ ID NO:2084 SEQUENCE LENGTH:70 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
50	CLONE: HUMGS02369 SEQUENCE DESCRIPTION:					

	GATCCATTTC ATGCAGGATT GT	TGTTGTTTT A	AACTGTTGTT	GAGGAAACTA	ATAAATAATT	60 70
5	SEQ ID NO:2085 SEQUENCE LENGTH:64 SEQUENCE TYPE:nucleic ac TOPOLOGY:linear CLONE:HUMGS02370	eid				
	SEQUENCE DESCRIPTION: GATCTAAGAT GTCCCAGGTC CT CAAA	CGGGAAGTT T	'ACTCAATAA	AGCTGGCTTT	CCCCTGCCCT	60 64
15	SEQ ID NO:2086 SEQUENCE LENGTH:64 SEQUENCE TYPE:nucleic ac TOPOLOGY:linear	id				
20	CLONE:HUMGS02371 SEQUENCE DESCRIPTION: GATCCGTTGT AATGATGTGA ACATAAA	ATTTTATG A	GTTTAAATA /	AAGTCATCTT	ATGGTGTCAT	60 64
25	SEQ ID NO:2087 SEQUENCE LENGTH:61 SEQUENCE TYPE:nucleic act TOPOLOGY:linear- CLONE:HUMGS02372	id				
30	SEQUENCE DESCRIPTION: GATCTTAAAA TCAGTGATTA TCT	TTTTTCTA A	ATAAAATAT (	CACCAGAATT	CATCAGTTAA	60 61
35	SEQ ID NO:2088 SEQUENCE LENGTH:60 SEQUENCE TYPE:nucleic aci TOPOLOGY:linear	id				
40	CLONE:HUMGS02373 SEQUENCE DESCRIPTION: GATCTAAGAT GTCCCAGGTC CAG	GGAAGTTT AG	CTCAATAAA G	TGGCTTTCC (	CTGCCANAAA	60
45	SEQ ID NO:2089 SEQUENCE LENGTH:66 SEQUENCE TYPE:nucleic aci TOPOLOGY:linear CLONE:HUMGS02374	íd				
50	SEQUENCE DESCRIPTION: GATCTCCGGG CAGCCACCAC CTC	CCTCGGTC TO	GCCCCCTCA T	TAAAATTCA (	CGTTCCCACC	60

	CTGAAA	66
5	SEQ ID NO:2090 SEQUENCE LENGTH:59 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
10	CLONE:HUMGS02375 SEQUENCE DESCRIPTION: GATCATGCAA AGAAAACTTC CAAAAAGATT TATTAACTTA AACCAGCCTC TNTNGCAAA	59
15	SEQ ID NO:2091 SEQUENCE LENGTH:74 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
20	CLONE:HUMGS02376 SEQUENCE DESCRIPTION: GATCTCAAAT TGCCTCTGAA CCTTTTATAA GACAGTTTAT CTTCAAATAA ATTTATTTTG CAATACCACG CAAA	60 74
25	SEQ ID NO:2092 SEQUENCE LENGTH:56 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
30	CLONE:HUMGS02377 SEQUENCE DESCRIPTION: GATCAAAGTC TATTTTGCAT AAAATGTCCA ATAATTAAAT ATTGTTATAA AATAAA	56
35	SEQ ID NO:2093 SEQUENCE LENGTH:55 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02378	
40	SEQUENCE DESCRIPTION: GATCGGCAGT TGGGAGGGGC GCTCTGAGAT TAAAGAGTTT TACCTCTGAG ATAAA	55
-	SEQ ID NO:2094 SEQUENCE LENGTH:54 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
45	CLONE:HUNGS02379 SEQUENCE DESCRIPTION: GATCCANTCT TTGACAAACT GAAAAGAACT GAAAATAAAC ATTGCTCTTT CAAA	54
50	SEQ ID NO:2095 SEQUENCE LENGTH:52	

5	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02380	acid				
	SEQUENCE DESCRIPTION: GATCCCTGCC CCTCCCCACT	GGGACGGAAT	AAATGCTCTG	CAGACCTGGA	AA	52
	SEQ ID NO:2096					
10	SEQUENCE LENGTH: 266					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS02382 SEQUENCE DESCRIPTION:					
15	GATCTGCTTA TAGAGCAGGA	ACAATAAACC	ር እርር ኒ እርተዋዋ	TACCTACCCC	CCCT1.4TC.4T	~~
	GGAAGTGTGN CCAGGCTTCA					60
	AATGTAAAAT TTAAATGGGG					
	CTGCTATCAT TGCTATGTAT					
20	ANGACACTTG GCATTCAAAG		AUACTATUAT	UTTATAAAA	UNANG I NCAG	266
	SEQ ID NO:2097					
	SEQUENCE LENGTH: 451					
25	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS02399					
	SEQUENCE DESCRIPTION:					
	GATCTAGAGA GTGCTCAGAA					
30	GAAACAACTG TTTTAAGATT					
	AGAGTGCATA CCAGAATTGA					
	ATCANNGNGC TGGAGACTAC					
	GAACAGTCTC CAATCTATGT					
35	ATATCAACCT GTAAACATGT					
	AGGAANATTC TGATTTTNTA TCATGTGGTT TCTTTCTCAA			GATTATANCN	TGTTTGCAAG	420 451
		INGOGGGINA	i.			701
	SEQ ID NO:2098					
40	SEQUENCE LENGTH: 441					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS02400	•				
45	SEQUENCE DESCRIPTION:					
	GATCCCAAAC TGTTCCCTTT					
	GGTGAATAAA CAGTTGTNAT					
	TTTCAATACA CTTATACAGG					
50	GATTCACAGA ATTCTGAGAG GCATTTCCTG CCTTGTGAAA					
<del>-</del> -	ACTITATATE ATTGTATANT					

	TAGCAAAACC NTTGGNAATA CTTGGCTGGT AACNCCTAAG		CNANACCNCC	CTNNATGTAA	ACCTGGTATG	420 441
5	SEQ ID NO:2099 SEQUENCE LENGTH:440					
	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
10	CLONE: HUMGSO2401 SEQUENCE DESCRIPTION:					
	GATCTATGTC TNCTGCCTGG CATCTAGGCA GGGGGAGAGC					60 120
15	CCCTGCCCCC TCCACTTCCT	GCCCTCTGTT	CCATCTTCCC	CCTTCCCAAA	GGCCACAGCC	180
	TTTATTCCAG GCCCAGGGAT					
	AAAGGCCTA CCTCGGGGCG ACTNGCACTT CAGCGTGGCC					
	CCTGAGGGTT TTTATAACCT					
20	TTGTCCCTGG AGTGTAAGAN	IIdiiidwix	AIUIIIAAII	TTTUCKTCKT	AATTICIACA	440
	SEQ ID NO:2100					
	SEQUENCE LENGTH: 411					
25	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear CLONE:HUMGS02402					
	SEQUENCE DESCRIPTION:					
	GATCAAAAGG CTGAAAGGTT	TGCTCACCCA	GCACGGCATC	CCCTACACGA	GGCCCACAGA	60
30	AACTTCCAAC TTGGAGCACT					120
	GCGGGGTGAC CCAGGACTGC	GTGGGAGTTT	GTGACCTTGT	GGTGGGAGAG	CAGAGGTGGA	180
	CGNGGCCGAG AGCCCTACAG	AGAAGCTGGC	TGGTAGGACC	CGCAGGACCA	GCTGACCAGG	240
	CTTGTGCTCA GAGAAGCAGA	CAAAACAAAG	ATTCAAGGTT	TTAATTAATT	CCCATACTGA	300
35	TAAAAATAAC TCCATGAATT	CTGTAAACCA	TTGCATAAAT	GCTATAGTGT	AAANAAATTT	360
33	AACCAAGTGT TACTTTAAAC	AGTTCGTACA	AGTAATGNTT	ATAÄTTCTAA	A	411
	SEQ ID NO:2101					
40	SEQUENCE LENGTH: 408 SEQUENCE TYPE: nucleic					
40	TOPOLOGY: linear	acid				
	CLONE: HUNGSO2403					
	SEQUENCE DESCRIPTION:					
	GATCTGGAAA GCTTGAGCCT	CCTTGGGTTC	GTCTACAAAT	TGGAAGGAAA	TATGAATGAA	60
45	GCCCTGGAGT ACTATGAGCG	GGCCCTGAGA	CTGGCTGCTG	ACTTTGAGAA	CTCTGTGAGA	120
	CAAGGTCCTT AGGCACCCAG	ATATCAGCCA	CTTTCACATT	TCATTTCATT	TTATGCTAAC	180
	ATTTACTAAT CATCTTTTCT					
	GTAATTCTTG AATAATAAAT					
50	AATGTGTGTA TGCATGTAAG				AGTAGAGAAA	
	AAATGTTAGT TAACTTTGTA	GGAAATAAAA	CATTGGACTT	ACACTAAA		408

5	SEQ ID NO:2102 SEQUENCE LENGTH:397 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02404 SEQUENCE DESCRIPTION:
10	GATCCGAGAG GTGGCCAACA AAGTCAAGGT CCCCCTGCTG GATTTAGGCA GCCCCCAACT 60 GGCCATGCAC TCTATCCGGN AGATGGCCTG CACCACAGGA GTCCTCCANA CCCTNACCCT 120 CTTCAAGGGC TTCTTTAAGC TGTTCCCTTC TCTAAGCCAT AATCTCTNAG TGGATTGAGC 180 CCTCTTGGAA AGACTTCTCT GCCATCCCTT TGCACCTGAN AGGGGAAGTT CTCAGCTGAG 240 CTGAAGCTGG ATTATTAAAG TGGATTGTAA CTCAGACTCT CCGTGCTACG CTTATTTGGA 300 GACTAGAGGA GTGGGAGTTG AGCCTGGCTT GAACCTTTGG AACCAGAAAA GTTGGGGAGC 360 AGGTGGAGGA GGCCACACTC CTGGGAGCTT GATGGTN 397
20	SEQ ID NO:2103 SEQUENCE LENGTH:219 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02406
	SEQUENCE DESCRIPTION:
25	GATCAGCCCT TTTTCCCATC CTGCCCTATG GTTCTCTAGC CACCTGTGCA TGCATGTGTA 60 TTTCTGCCTN GTTCTATGGT GTGTGGATGT GTGTGCATGA ATCTGTCATA TAGAGGGGGT 120 CCGAGCTGGA ATCCTAGAGC ATTGCTGCCC TGGGGCCTGA TGTTCTTGGC TTCCTCAGAG 180 CATGTAACAG GAAATTAAAT GGGATGAGTG TTTGGTAAA 219
30	SEQ ID NO:2104 SEQUENCE LENGTH:380 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
	CLONE: HUMGS02408
35	SEQUENCE DESCRIPTION: GATCCTACCT CCAACTCCTG ACTCTATAGG TCTCACTCTT TTTTTATTGT CCTANNNNTA 60 CATAACATAA AATTTATAAAA TTTAATATTC TAGGGTATAG TTCAGTGGTA TTAAGTACAT 120
40	TCACACTGAT GTGCAACCAT CATTATCATC CATTCCCAAA ACTTTTCATC ACCGCAAATA 180 GAAAAGCTGT ACCCATGAAA CAATAACTTC CATTGCCTCC CCCTCAGCCT TTGGTAACCT 240 CTATTCTACT TTCTGTTTCT ATGAATTTGA CTGTTCTAGG TACCTCATAT AAGTGGAATC 300 ACACAATATT TGTCCCTTTG TGTCTAACTT ATTTCACTTA GCATGTTTTC AAGATTTATC 360 TGTACTGTAC CATGTATCAN 380
45	SEQ ID NO:2105 SEQUENCE LENGTH:378 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONF:HUMGS02409

	SEQUENCE DESCRIPTION:					
	GATCTGTGCT CTCCTAGCCC	AAGAGACCCC	TEGAGEGET	GGAGTTTTAT	CCACCCNCTC	60
	GTCGTATGTT TGGCTGAGCA					
	CCCACTATGC AGAGGCCAAA					
5	ATCTGTGTNA CTGNTCTGTG					
	AGTAACACAC CAGGTACCCA					
	GAATTCCTCA ANGNTGTGNC	CIUGUCCATG	AANTIGTICC	AANTTGAAGG	TNANNAGGGN	360
40	CACCAATCAG GGTTGAGN		•			378
10						
	SEQ ID NO:2106					
	SEQUENCE LENGTH: 374					
	SEQUENCE TYPE: nucleic	acid				
15	TOPOLOGY:linear					
	CLONE: HUMGS02411					
	SEQUENCE DESCRIPTION:					
	GATCCAGAAG TACAAGGTGG	TCCTGGCCCC	GGAGACGGNG	GAGTTGAAGA	GTGTGGCCCG	60
	CATTGTCCTG GTTCCCAATA					
20	TGAGTCTCCG CCTTGCTGGG	GCTTGTCCTA	GAGGCTCCAG	CTCTGGCACA	GTGGTTCCTG	180
	GCTGCTGCCA TGTCTCANAT	GAGGAGGGAG	AGAAGGAGGC	CGCCAGACTC	GAGAGGTGGG	240
	AGGAACTCCT TGCACACACC	CTGAGCTTTT	GCCACTTCTA	TCATTTTTGA	GAACTCCCTC	300
	TCAGCTAAAA GGCCACCCTT	TTATCGAATG	CTGTCCTTGG	GAAGATATAA	AATAAAGGGC	360
25	TNTTATTTCT TAAA					374
	SEQ ID NO:2107					
•	SEQUENCE LENGTH: 369					
	SEQUENCE TYPE:nucleic	acid				
30	TOPOLOGY:linear					
	CLONE: HUMGS02412					
	SEQUENCE DESCRIPTION:					
	GATCCAGCCC GACCTGCGAG	ANTGATGGAG	ACCATGCACC	GCATGAGCCA	CCTCCCACCC	60
35	GACTTTGAGG GCCGCCAGAC	GGTCAGCCAG	TGGCTGCAGA	CCCTGAGCGG	ATGTCGGCGT	120
35	CAGATGAGCT GGACGACTCA	CAGGTGCGTC	AGATGCTGTT	CGCCTGGAGT	CAGCCTACAN	180
	CGCCTTCANC CGCTTCCTNA	TGCCTGAGCC	CGGGGANTAG	CCTTGNACAG	CCGGGAGAGT	240
	CTGAGGCNTG GTCCTGGTCC					
	GAGTGGCTGT CTGGNTCTGC					
40	TCTCGGAAA					369
	SEQ ID NO:2108					
	SEQUENCE LENGTH: 368					
45	SEQUENCE TYPE:nucleic	acid				
45	TOPOLOGY:linear					
	CLONE: HUMGS02413					
	SEQUENCE DESCRIPTION:					
	GATCAGAGCC AAGAAGCGTC	TGCGGCAGAG	TGGGGAAGAG	TTGCCGCCAA	CCTCCTAGGC	60
50	GCCCCGCCCA GCTCCCTTTG					120

5	CTGCTATTAG AGCCCATCCT GGAGCCCCAC CTCTGAACCA CCTCCTACCA GCTGTCCCTC 180 AGGCTGGGGG AAAACAGGTG TTTNATTTGT NACCGTTGGA GCTTGGATAT GTNCGTGGCA 240 TGTGTGTGTN TGTGTNANAG TGTGAATGCA CAGGTGGGTA TTTAATCTGT ATTATTCCCC 300 GTTNTTGGAA TTGNNTTCCC CNATGGGNCT GGGGTACTTT ACATTCAATA AATACTGTTT 360 AACCCAAA 368
10	SEQ ID NO:2109 SEQUENCE LENGTH:368 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
15	CLONE:HUNGS02414  SEQUENCE DESCRIPTION: GATCACAGGA AGTGGAGGAG CCAGAGGTGC CTTTGTGGAG GACAGCAGTG GCTGCTGGGA 60 GAGGGCTGTG GAGGAAGGAG CTTCTCGGAG CCCCCTCTCA GGCTTACCTG GGCCCCTCCT 120 CTAGAGAAGA GCTCAACTCT CTCCCAACCT CACCATGGAA AGAAAATAAT TATGAATGCC 180
20	ACTGAGGCAC TNAGGCCCTA CCTCATGCCA AACAAAGGGT TCAAGGCTGG GTCTAGCGAG 240 GATGCTTGAA GGAAGGGAGG TATGAGACCG TAGGNANAAN GGCACCATCC TCGTACTGTT 300 GTCACTATGA GCTTAAGAAA TTTGATACCA TAAAATGGTA AAGACTTGAA AAAAGTANAA 360 NATGTTTN 368
25	SEQ ID NO:2110 SEQUENCE LENGTH:368 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
30	CLONE: HUMGS02415 SEQUENCE DESCRIPTION: GATCTTGGTT TTGATGTGGA CATAGGCCCT CTTTTCCAGA CTCCTCGTGA AGTGGCCCAG 60 CAGGCTGTGG ATGCGGATGT GCATGCTGTG GGCGTAANAC CCTCGCTGCT GGTCATAAAA 120
35	CCCTAGTTCC TGAACTCATC AAAGAACTTA ACTCCCTTGG ACGGCCAGAT ATTCTTGTCA 180 TGTGTGGAGG GGTGATACCA CCNTCAGGAT TATNAATTC TGTTTGAAGT TGGTGTTTCC 240 AATGTATTTG GTCCTGGGAC TCGAATTCCA AAGGCTGCCG TTCAGGTGCT TNATGATATT 300 GAGAAGTGTT TNGAAAAGAA GCAGCAATCT GTATAAAATA AAAATATCAC AAGAGAACAC 360 CTGTACTN 368
40	SEQ ID NO:2111 SEQUENCE LENGTH:365 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
45	CLONE:HUMGS02416 SEQUENCE DESCRIPTION: GATCGAAAGA AATCTAAGTG ATACGGCCCA ATGAAGCTAA AATATAGCCT TCTGTTAAGC 60 AAATAGTATT TCCTTTCCCC AAGTAGTTCA TTTTCTAGAT GCTTGTCAAA TGAATTAATG 120
50	TCCTCTGATG AAGAGTGTCC TTCCGTTTCT AAGGTCTTCT CAATCTCAGC AATAGAGCTT 180 CCCAGCAGCG TTCAAGACAC ATCATTTATA CACAGGCACA GGGGCCTTCC TGAAATGGGT 240 CCATTTTAG CAACTACAAT CATGTAATTT TTTTGGAAAT TTTTTAAAAT TTTCGNTNCT 300

	TGAAA	ACACATITIA	CAUCICICAA	IAAAIGIIIG	CIGGICGCIC	365
5	SEQ ID NO:2112 SEQUENCE LENGTH:363 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO2417	acid				
10	SEQUENCE DESCRIPTION: GATCAACGAT TACGTGGAGA TGACAGAGAC ACAGTTTTN ACCCTTTGAA GTCAAGGACA	CTCTGGTGAA	TTACATCTNC	TTTAAAGGCA	AATGGGAGAG	120
15	GAAGGTGCCT ATNATGAAGC CAGCTGGGTG CTGCTGATGA TGAGGGGAAA CTACAGCACC ATN	AATACCTGGG	CAATGCCACC	GCCATCTTCT	TCCTGCCTGA	300
20	SEQ ID NO:2113 SEQUENCE LENGTH:362 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
25	CLONE:HUMGS02418 SEQUENCE DESCRIPTION: GATCCCAGTC GCATACCAGG ATCGCCATAG CAGGTGTCTT	CTTGGTACTT	AGACATGCCA	GCACAGAAGG	TGTGTTCATT	
30	CAGTATGGGC TGCACCCCTA AGACCATAGC TGAGAACTAA CAGCCTGGAA GAGGGCAAAG TTGAAGCTTG ATGGGTGCCA GN	TGCAAGGCTG TGGACGGGAG	GCCGGAAGCC TGGACAGGAG	CTTGCCTGAA TNGATGCGAT	AGCAAGATTT AAGATGTGGT	240 300
35	SEQ ID NO:2114 SEQUENCE LENGTH:362 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
40	CLONE: HUMGSO2419 SEQUENCE DESCRIPTION: GATCNGACAG GCACCAGCAA					
45	CACCACCAGC CCACCAGGAA ACAGCCGCAG TCAAGAGAAT GAAGCGCATG GTGGTNNCTA GGATTNGNGA TGANACTANG TCAATNTGAA TCAANTGCTT TN	GCTGGTGGTG TAAAGTCAAT CNCATAAAAC	CCAAGNTGCA GNCACAGCAC TGTNCGAATT	GGGTGTGGCC ATGCCCAGCA TTNCTGTGCT	TGCTGGAATG ATCCACTGTG TTTCATATCN	180 240 300
50						UU L

	SEQ ID NO:2115	
	SEQUENCE LENGTH: 355	
	SEQUENCE TYPE:nucleic acid	
5	TOPOLOGY:linear	
-	CLONE: HUNGS02420	
	SEQUENCE DESCRIPTION:	
•	GATCATATAG TAGGTTTAGG TTTAACTTTT TAAGAAATTG CCAAGCTTTT CCAAAGTGGC 60	^
	TGTCCCTCTT TACATTTCCA CCAGCAATGT ATAATGAATG GTTCAGGTTC CTCCACATTC 120	
10	TTGTCGGCAC TTGGACTTTT CTGTTTTGTT GTAGCCATTC TAGTGGATGC AAAGTGGCAT 180	
	CTCATTATGG TTCATTTGCA TTTCTCTGAC AACTAATGAT TTTGAGCATC TTCATGCGAT 240	
	TGTTAACCAT TTGTATATCT TTAGTGAAAT ATCTATTCAA TTATTGCCCA TTTTTAAATT 300	
	GGNTCACATG GCTNATTAAT GNATTGTAAG AAAGGTTTAC ATATTCCTGG ATACN 355	
15	555	,
	SEQ ID NO:2116	
	SEQUENCE LENGTH: 350	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
20	CLONE: HUMGS02421	
	SEQUENCE DESCRIPTION:	
	GATCATGATT TTGTAGTACA GGAAGACTTC ATGAAAGCAG TCAGAAAAGT GGCTGATTCT 60	
	AAGAAGCTGG AGTCTAAATT GGACTACAAA CCTGTGTAAT TTACTGTAAG ATTTTTGATG 120	
25	GCTGCATGAC AGANGTTGGC TTATTGTAAA AATAAAGTTA AAGAAAATAA TGTATGTA	
	GGTAATGATG TCATTAAAAG TATATGANTA AAAATATGAG TAACATCATA AAAATTAGTA 240	
	ATTCAACTTT TAAGATACAG AAGAAATTTG TATGTTTGTT AAAGTNGCAT TTATTGCAGC 300	
	ANGITACAAA GGGGAAGIGI IGAAGCIIII CATAIIIGCI GCGIGACAIN 350	
	out the same of th	
30	SEQ ID NO:2117	
	SEQUENCE LENGTH: 375	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY:linear	
35	CLONE: HUMGS02422	
	SEQUENCE DESCRIPTION:	
	GATCCGCAGN CAGAAGCTCT GCCCTTCTGT ATCCTATGTA TGCAGTGTNN TTTTNCTTGC 60	
	CAGCTTGGGC CATTCTTGCT TAGACAGTCA GCATTTGTNT CCTCCTTTAA CTGAGTCATC 120	
	ATCTTAGTCC AACTAATGCA GTCGATACAA TGCGTAGATA GAAGAAGCCC CACGGGAGCC 180	
40	AGGATGGGAC TGGTCGTGTT TGTNCTTTTN TCCAAGTCAG CACCCAAAGG TCAATGCACA 240	
	GAGACCCCGG GTGGGTGAGC GCTGGCTTCT CAAACGGCCG AAGTTGCCTC TTTTAGGAAT 300	
	CTCTTTGGAA TTGGGAGCAC GNTGNNCTCT TGAGTTTGGA GCTTTTAAAA GTACTTTNTT 360	
	TACCACATTT GGAAA 375	
45		
	SEQ ID NO:2118	
	SEQUENCE LENGTH: 339	
	SEQUENCE TYPE: nucleic acid	
50	TOPOLOGY: linear	
<b></b>	CLONE: HUMGS02423	

	SEQUENCE DESCRIPTION:					
	GATCTCTAAC CAGAAATAAA	CAGGAAGACT	CAGTNGTTTA	CAAAAGACAT	TTTAGTTTTA	60
	CACGTACAGA AAATTCTACC	CNGGCATTAC	AGAATTCTTA	GACTTCTTAA	ATTCCTGATT	120
5	TTCCTTGGTA TTTACATTTT	GATAAGGGAG	CCAATGGTTC	TTCAAACATT	TGAAAAGAAC	180
	ACATACACAC TGGACAATTT	CAAACGNTAC	AAACAAACGC	AACTGTCCTT	CTTTCTCATT	240
	CCTGTCCTTC AGCCACCCAG	TTTCTTCTCC	CCTGAGGGAA	TCAGTTATCA	TTNGCTGGGT	300
	CATACTTCCA GATTATCCTG	TGCCTATGTA	AGTGTGTGN			339
10						
	SEQ ID NO:2119					
	SEQUENCE LENGTH: 334					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
15	CLONE: HUMGS02424				•	
	SEQUENCE DESCRIPTION:	W. 00000000		a.a.a.aaa		
	GATCTGGGAC GTNCACGAGT					60
	CTCCAGCAGA TAGACGCCGG					
20	NGCCTGTAGA CCTATCGGNT					
	TCCNTCCCTG CCCAGCGAGT					
	ACCNTTCCCG GGTGNCCTCC			GCCCAGCACG	NAGTAGNCTT	
	TGAACAGAGG GAGGGAAGGA	CCCATGGGTC	TCCN			334
25	SEQ ID NO:2120					
	SEQUENCE LENGTH: 330					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS02425					
30	SEQUENCE DESCRIPTION:					
	GATCAAAGAG AAAATAAAAA	ATCGCTACTT	CCCTGCCTTT	GAAAAAGTCT	TAAAGAGCCA	60
	TGGACAAGAC TACCTTGTTG	GCAACAAGCT	GAGCCGGGCT	GACATTCATC	TGGTGGAACT	120
	NCTCTACTAC GTCGAGGAGC	TTGACTCCAG	TCTTATCTCC	AGCTTCCCTC	TGCTGAAGCT	180
35	CTCCAGGACA CTGGCCCCCC	ACACTGTATC	TCTCACTGAG	AAAAGGTGGT	CCCATGGCCC	240
	TGAAAACCAG AATNAGCAAC	CTGNCCCACA	GTGAAGAAGT	TTCTACAGCC	TNGGCAGCCC	300
	AAGGAAAGCC TCCCATTGGA	TGAGAAATCN				330
	SEQ ID NO:2121					
40	SEQUENCE LENGTH: 327					
	SEQUENCE TYPE: nucleic	aaid				
	TOPOLOGY: linear	aciu				
_	CLONE: HUMGS02426 SEQUENCE DESCRIPTION:					
45	GATCGAAGTA AAATAGAAAT	CCCACTNCCT	TTCCACAGCA	ACTABACTCC	<b>ፒፐሮል</b> ፎል ፎሮሮሮ	60
	ACAGTCCCCT GCTCAGTGTC					
	CACAGGCCGT CCATTAGAGA					
	GGAAATGAGG NNCGGAAACT					
50	TTAATTCAGA GTACAGTTTG					
	TITIDADATO DINOATITO	TOOLULITOR	.urorginoi	CONGGORGAN		555

	AAAATACTGT GTCTAAAGAA	ATTTCAN				327
5	SEQ ID NO:2122 SEQUENCE LENGTH:324 SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear CLONE:HUMGS02427 SEQUENCE DESCRIPTION:					
10	GATCCTCGTC ATCAAGGATG	GCTGCATCGT	GGAGAGGGGA	CGACACGAGG	CTCTGTTGTC	60
	CCGAGGTGGG GTGTATGCTG					
	AGACACTAAG CCTCAGACCA					-
	CTAACCCAGA AGGGAATAAG					
15	GGTATGGTGC TAGCTATGGT	AAGGGAAAGG	GACCTTTCCG	AAAAACATCT	TTTNGGGGAA	300
	ATAAAAATGT GGACTGGTGC	GAGN				324
	SEQ ID NO:2123					
20	SEQUENCE LENGTH: 355					
20	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUNGS02428					
	SEQUENCE DESCRIPTION:					
25	GATCTGAACA TTCAAAAGAA					
	TATATGATGA AGATTGTAGG					
	TATTTGGTTA TTTTACTCAA					
	TAGGAACAGG TGTTTGCTCT AGTACAGTCG CTAGTCAAGT					
30	CTGTTGTTAT AAAACTATAC					355
	SEQ ID NO:2124					
	SEQUENCE LENGTH: 324					
35	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear	•				
	CLONE: HUMGS02429					
	SEQUENCE DESCRIPTION:					
	GATCTCAGAA CTGAAGGCCG	CCCTGACATG	AAGACTGAGC	TCTTTTCCAG	CTCATGCCCA	60
40	GGTGGAATCA TGCTGAATGA					
	TCACCACATC CTCCCGAAAA					
	TCCAAAGCCT NCTTATTGAC					
	ACCTGTAACT TCATCTAAGT		GGNACANTGG	GGAGNTNGAG	TTGTTGGAGG	300
45	GAGGAAGCTT GGAGACTTCC	CAGN				324
	SEQ ID NO:2125					
	SEQUENCE LENGTH: 324					
	SEQUENCE TYPE: nucleic	acid				
50	TODOLOGY : 1 incom					

	CLONE: HUMGS02430					
	SEQUENCE DESCRIPTION:					
	GATCCATCTT CATCCATTGC					
5	GAGCTTTTAT CAGGCCATGT					
	CTGAGCTCTC AACTCCAAGT					
	ATGTGTTAAT TTTNNTCCTG					
	GAAAAGCTAC GTAAACCACT	ACATTGTANC	CTTCTAAGTN	ATTNTTAATT	AGNAGGGNAT	300
10	TATNTTGCAG TACCANTTGG	GAAA				324
70						
	SEQ ID NO:2126					
	SEQUENCE LENGTH: 321					
	SEQUENCE TYPE:nucleic	acid				
15	TOPOLOGY: linear					
	CLONE: HUNGS02431					
	SEQUENCE DESCRIPTION:					
	GATCGTGAAG ACCTGCTGAG					
20	CCTTTTCTGA GAAGCGTTGT					•
	TGGACCTCCC TATCATGCTT					
	ATGNCAGATG TGGGGCCTCT					
	TCTACCTACA GTGCATTTGA		GAAAGAGGTC	CAGGGAGGGA	TTTAGGAAAT	
	AAAGNTTCTA CCTATTTGAA	A				321
25	SEQ ID NO:2127					
	SEQUENCE LENGTH: 319					
	SEQUENCE TYPE:nucleic	aaid				
	TOPOLOGY: linear	acid				
30	CLONE: HUMGS02432					
	SEQUENCE DESCRIPTION:					
	GATCCTAAGC GAAGATGGAT	TTCAGTTCAT	CAAATCATCA	TTAATCACTT	TATCTATTAT	60
	TTGCACAGGG AGAATTGAAA					
0.5	AAACTGAGCT TCAGAAAGGG					
35	TTTGCAGAAT TAACTATAAC					
	TAATACATAA CATTCAATTT					
	TTCAGNTTAA AAAAAGAAA			norrarmino		319
40	SEQ ID NO:2128				•	
	SEQUENCE LENGTH: 315					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
45	CLONE: HUMGS02433					
-	SEQUENCE DESCRIPTION:					
	GATCACACCT GAAAGCAGTG	GTCCCAGCTC	TGTGCTGTGG	GACATCACAG	GTCCTAAACA	60
	GTGATAGAGA AAGGGCTGGG	GAGTGGCAGC	TGGAATCTCT	GCTTCCGTCT	GAACATCTGG	120
	ACACACATGT CAGAGAATCT	TTGCATTAAA	TGGACTGCCC	AATCTATTTG	GTGATTAAAT	180
50	GGCTGTGCGG TGAGGGGAGA	ACCCTGGGCA	GTCTGGAGAC	TGAGGTGCCA	TTCTCGGCTA	240

	GAGACACCAC CCAAAGAAGA GATGGGCTGG CTACTAAAGA CAAGTNTCAG TTGAATAAAT GTCTTTAAAC CTAAA	300 315
5	SEQ ID NO:2129	
	SEQUENCE LENGTH: 311	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
10	CLONE: HUMGS02434	
	SEQUENCE DESCRIPTION:	
	GATCATTGTC CCTACAGACA CCCAGAACAT CTTCTTCATG AGCAAAGTCA CCAATCCCAA	
	GCAAGCCTAG AGCTTGCCAT CAAGCAGTGG GGCTCTCAGT AAGGAACTTG GAATGCAAGC	
	TGGATGCCTG GGTCTCTGGG CACAGCCTGG CCCCTGTGCA CCGAGTGGCC ATGGCATGTN	
15	TGGCCCTGTC TGCTTATCCT TGGAAGGTGA CAGCGATTCC CTGTGTAGCT CTCACATGCA	
	CAGGGGCCCA TGGACTCTTC AGTCTGGAGG GTCCTGGGNC TNCTGACAGN AATAAATAAT	
	TTCGTTGGAA A	311
	SEQ ID NO:2130	
20	SEQUENCE LENGTH: 309	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY:linear	
	CLONE: HUNGS02435	
25	SEQUENCE DESCRIPTION:	
	GATCCCAACT GCTCCTGCGC CGCCGGTGAC TCCTGCAAAT GCAAAGAGTG CAAATGCACC	60
	TCCTGCAAGA AAAGCTGCTG CTCCTGCTGC CCTGTGGGTT GTGCCAAGTG TGCCCAGGGC	
	TGCATCTGCA AAGGGGCGTC GGACAAGTGC AGCTGCTGCG CCTGATGCTG GGACAGCCCG	
	CTCCCAGATG TAAAGAACGC GACTTCCACA AACCTGGATT TTTTATGTAC AACCCTGACC	
30	GTGACCTTTT GCTATATTCC TTTTTCTATG AAATAATGTG AATGATAATA AAACAGCTTT	
	ALCOMO	309
	SEQ ID NO:2131	
35	SEQUENCE LENGTH: 307	
	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS02436	
	SEQUENCE DESCRIPTION:	
40		60
	GCATGTGAAG TCAGTGCAGC CCATACAAGT CCCAAANAAG ATAGAGTTTG TNTTGAACCT	
	GCCAAAGCTG TCACAGGGAA ATTCAACAGA CCAAACTTCG NGNCAAGGAG TGGAAGATGT	
	CCGGAAAAGC CCGTNCGAGT GAGNCGTCTA GGAGCATTCA TTTGGATTCC CTCTTCTTTC 2	
45	TCTTTCTTTT CCCTTTGGGC CTTGGCTTAC TATNATGATA TGAGTCCTTT ATGAAGACAT :	300
	GATGAAA	307
	SEQ ID NO:2132	
	SEQUENCE LENGTH: 306	
50	SECULENCE TYPE:	

5	TOPOLOGY:linear CLONE:HUMGS02437 SEQUENCE DESCRIPTION: GATCCTGGTG GCGACCATGG GGCCCAGAGA GAGGTCCACC CAGCTCCCCT CCACCTGCCA	CCAAGCAGCC ATGTCAGCGC	TGAGCCCTCA CACACTGGTG	GCCACCCCC TCTGAAAGGA	AGCTCCCTGG ATAAGGAGAA	180
10	CAGGACAGAC TAACTTTTTA AATATATTTA TGCAAATTTT GANAAA					
15	SEQ ID NO:2133 SEQUENCE LENGTH:306 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02438 SEQUENCE DESCRIPTION:					
20	GATCTGGGCT GGTCCCTTTC CCATACTTCC TCTCTNAGAA TGACTGCAAA CTTGCTGAAG	TAATCATTTC GTAGGGACTG	CCTTGTAATG TTTGTCTTGG	CTCAGCATCC ACTTCGCTGC	GCATCCTGCT CAGTCCTTAG	180
25	AACAGTGTCT GGGACACAGT AAATCAGTCT TTTAGGGATT AGGAAA					
30	SEQ ID NO:2134 SEQUENCE LENGTH:305 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02439 SEQUENCE DESCRIPTION:	acid				
35	GATCTGACCC CACAGCCTTT GACCTCCCGG GTCAGGCAGG GGGACCCAGA CAGATGGACT TGCCTCCTCG CCTCCAGAAC GTTCCGTCAT TCTCGTTCCT	GCGGCCCCCT TACATGGAGC TTGGAGCAGG	GCTCCACACA TGGGCACTGC GAAGTGGGCA	CTGCTGCATC CCTGCCTCAA CCCTGAGGCC	TTGGGTCTCA CAGGGTCCAT TCCAGCACCA	180 240
40	TGAAA					305
45	SEQ ID NO:2135 SEQUENCE LENGTH:251 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02441 SEQUENCE DESCRIPTION:		000.00.25	70.400.2277.	h407011000	
50	GATCAACCTG AGAAAAATTG CGTGTGCACA GAAGCTGGCA GGACTTTGAG ATGGCAGTAG	TGTATGCCCT	GCGAGAACGG	CGNGTCCATG	TCACTCAGGA	120

	CAAGCANTTA TGGANGTGAG GGCCAAGTAA A	TGGACAGCCT	TTGTGTGTAT	CTCTCCAATA	CAGCTCTGTG	240 251
5	SEQ ID NO:2136 SEQUENCE LENGTH:301					
	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02442	acid				
10	SEQUENCE DESCRIPTION: GATCTGCATC CCCAAAAGTA	TCACTCCTTC	TCGAATCCTT	CAGAACATCA	AGGTGTTTGA	60
	CTTCACCTTT AGCCCAGAAG					
15	TATTGTGCCT ATGCTTACGG GTACCCCTTT AATGACCCGT					
	GCTAATGAGG TCCTGCCACA	ACGGAAAGAG	GNAGTTAATA	ANNGCCATTG	GANGCATNAA	300 301
20	SEQ ID NO:2137					
	SEQUENCE LENGTH: 302 SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear CLONE:HUMGS02443					
25	SEQUENCE DESCRIPTION:					
,	GATCCGAGAG GGCATGGCCG CTTCAAAAGC ATCTCCAAGG					
	TGGCTTCTGA ATACTCCCGG					
30	GCCGAAGCCC CTTTCCTTAA					
	TGTGCCTGCT CTCAAGAGCA AA	CTTACTGCCT	CGNAAATAAT	AAAAATTTUT	AGCUAGGICA	302
	SEQ ID NO:2138					
35	SEQUENCE LENGTH: 297 SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear	ac.ra				
	CLONE: HUMGS02444 SEQUENCE DESCRIPTION:			•		
40	GATCATCCAG AAGGAGCCCG	TTGAAGTGGC	CCCAAGCCAG	CTCTCTGCAT	TTCGTACTCT	60
	CCTGTTTTCT GCACTTGGTG					
	ACCCTTGATG AACCGGAAGG CTAGAGACAT TAGGTCCACA					
45	CCCAAGTTTC ACAATGTGAT					297
	SEQ ID NO:2139					
	SEQUENCE LENGTH: 295					
50	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acia				

	CLONE: HUNGS02445	
	SEQUENCE DESCRIPTION:	
1	GATCTATGCC AGCAAAACAT CATTTTGAGA CAAACATTTT TGTGGCAGAT GTTTTTCCTA 60	
5	AAAAGTACTA TATCATCCAA GAAATATTTG AGTAAAATCC CTTGTTCTTT TGGGTGACAT 120	
	TAACTGACAT TTGCTTTTTT TCAAGACCTA ATAGAAAATA AGAAAGCCCA TAATGTATTT 180	
	AGAAACAGGA ATCCTCAGAG CAATTCTCTG TATTCTCATA TAATTTCAAT GTAAAACAGA 240	
	AAACATATTG ATGTGTTGGT GATAGGCTTG AATTATTAAA AACTTCAAAA ACAAA 295	
10	470	
	SEQ ID NO:2140	
	SEQUENCE LENGTH: 294	
	SEQUENCE TYPE:nucleic acid	
15	TOPOLOGY: linear	
15	CLONE: HUNGS02446	
	SEQUENCE DESCRIPTION: GATGGAGGT GCAGGATATG CTCAGACTCT AGAGGGGTGG ACCAAGGGGC ATGGAGCTTC 60	
	datedadde deadainid cionanoici namadodida modelia	
	ACTCCTTGCT GGCCAGGGAG TTGGGGACTC AGAGGGACCA CTTGGGGCCA GCCAGACTGG 120	
20	CCTCAATGC GGACTCAGTC ACATTGACTG ACGGGGACCA GGGCTTGTTT GGGTCGAGAG 180	
	CGCCCTCATG GTGCTGGTNC TGTTGTGTGT AGGTCCCCTG GGGACACAAG CAGGCGCCAA 240 TGGTATCTGG GCGGANTCAC AGAGTTCTTG GAATAAAAGC AACCTCAGAN CAAA 294	
	TGGTATCTGG GCGGANTCAC AGAGTTCTTG GAATAAAAGC AACCTCAGAN CAAA 294	
	SEQ ID NO:2141	
25	SEQUENCE LENGTH: 292	
20	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS02447	
•	SEQUENCE DESCRIPTION:	
30	GATCTGGTTG GTGGATGAAC AAGTGTCACG CTGGACATCT CAATGGNGTT TATTACCAAG 60	
	GTGGCACTTA CTCANANGCA TCTACTCCTA ATGGTTATGA TAATGGCATT ATTTGGGCCA 120	
	CTTGGANAAC CCGGTGGTAT TCCATGAAGA ANCCACTATG AAGATAATCC CATCAACAGA 180	
	CTCACAATTG GAGATGACAG CAACACCACC TGGGGGGAGC ANACAGGTGG AGACGTTAAA 240	
35	NGCCGTTCAN TGNGTTTTCT NTTTAAAGNC TTTATCTGAC CNGGGGTANN GN 292	
	SEQ ID NO:2142	
	SEQUENCE LENGTH: 280	
	SEQUENCE TYPE:nucleic acid	
40	TOPOLOGY: linear	
	CLONE: HUMGS02448	
	SEQUENCE DESCRIPTION:	
	GATCGGAAAA AAATTCTTGA ACGCAAAGCC AAGTCTCGAC AAGTTGGAAA AGAGAAAGGC 60	
45	AAATATAAAG AAGAACTTAT TGAGAAAATG CAGGAATAAA TAGAACCTGT TGTGCAACCA 120	
	CGGTTTAACC GGAGATTTTG AGGCTAGGGT GTGTTTCTTT CGAACTTTTC GGAATGTCTG 180	
	GAACATTICA TITCCTGTTT TGTTACCTGT GCCTCTGTAA ATCTACTTTT GCAATTTTAA 240	
•	GTAATAATTT TATGAATAAN AATGGGAAAT GCTTCCTAAA 280	
50	·	
	SEQ ID NO:2143	

	SEQUENCE LENGTH: 280
	SEQUENCE TYPE: nucleic acid
	TOPOLOGY: linear
	CLONE: HUNGS02449
5	SEQUENCE DESCRIPTION:
	GATCCCATAA CAGGCTACCC CTTGGCCTCA TGCTGGAGTT GTGTGTGTCT GTCTTCATCC 60
	CAGGCTGAGC TCCTTGAGGT GAGGATGTTG TGCTGTTTGC CTCCCTCACA GTGCCTTGGT 120
10	CTTAGTGGAT GCCCAGTTGT CTTGTGAATG ACTTTTAAGA AGTGTACTTA AGAGAAAAAT 180
70	CCTACCNTAT NNNNNGTAAT TACAAGTCAT GTTTTTGTNG CTTAAAGGTG ATAAATCAGT 240
	GTATATNATN NGNTAATGTC CATTAAAGCC AGTTTTTAAA 280
	SEQ ID NO:2144
	SEQUENCE LENGTH: 278
15	
	SEQUENCE TYPE: nucleic acid
	TOPOLOGY:linear
	CLONE: HUMGS02450
20	SEQUENCE DESCRIPTION:
20	GATCCTAGAG CCTGACGTTC AGTGAACCCA TGTTTCTGGG TGGGTGAAAG GGGCCCAACC 60
	CTGCCCACTT CAGCCCAGCC CGCCCAAGGG GACTTGTGCC AGCAGAACAT GTNGGAGGAA 120
	GAAGCCCCGT TTCCAGGGCA TCCGCAGCCC AGGGTAGGGA GAAATATTCT CTCCACTTTG 180
	GGGGAGAGTT CTTGCTCTCG ACCTAGTGGT TTCTACTCTC ACCGACTTAT TCTGATTTCA 240
25	GAAATAAAAT GAAATGTCTT ATTTTTGGGA AAGTTAAA 278
	SEQ ID NO:2145
	SEQUENCE LENGTH: 315
	SEQUENCE TYPE:nucleic acid
30	TOPOLOGY:linear
	CLONE: HUNGS02452
	SEQUENCE DESCRIPTION:
•	ALTONOMICS CONTRACTOR
	GATCCCACTG GGGCCTNTGG GAAGGNGACA GACTTATNAC TAGATGATTC GCTGGTGTCC 60 ATCTTTGGGA ATCGACGTCT CAAAAGGTTA TCCATGGTGG TACAGGATGG CATAGTGAAG 120
35	GCCCTGAATG TGGAACCAGA TGGCACAGGC CTCACCTGCA GCCTGGCACC CAATATCATC 180
	TCACAGNTCT GAGGCCCTGG GCCAGATTAC TTCCTCCACC NNTCCNTATC TNACCTGCCC 240
	AGCCCTGTGC TGGGGCCCTG CAATTGGAAT GTTGGCCAGA TTTCTGCAAT AAACACTTGT 300 GGTTTGCGGG TCAAA 315
40	GGTTTGCGGG TCAAA 315
40	SEQ ID NO:2146
	SEQUENCE LENGTH:275
	SEQUENCE TYPE:nucleic acid
45	TOPOLOGY:linear CLONE:HUMGS02453
	SEQUENCE DESCRIPTION:
	GATCCCAGGA CCATTTGGCT AGTGTGCCTA GGTGACCACA TGATTGCTGT TTTACCAGGA 60
50	ATGCAGCATC CCATTGACAA AACAAGTGCT CTGAGAAGGT TTAAAATACT ACAGNGAATA 120
50	TGGGANCACA GNCCTTGAAA TTTAGCTGAG TTGTAACAGC TGAAACTCCA AGAGGTGTCT 180

	TCCTTGTTTN GAGGTGNACT GTTTTGGGGA ATCCTTTTT			GCTTGAAACC	CGTAAAGCCT	240 275
	diffiddda Aicciffff	UNCTIGOTII	UNIIN	•		210
5	SEQ ID NO:2147					
·	SEQUENCE LENGTH: 274					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
10	CLONE: HUMGS02454 SEQUENCE DESCRIPTION:					
	GATCATCAAT GATTTATTGG	CACGTTCTAT	TOCOATOCTO	GAAGTTAATA	CAGTAGACAA	60
	ATACCAAGAT AAGGGACAAA					
•	GAACTGTTGG TGAACTCTTG					
15	AACATAAACT GATTCTTCTG					-
	AGCTGCTTAA TCATTTAAAC		-			274
	550 TD NO 0140					
	SEQ ID NO:2148 SEQUENCE LENGTH:266	٠		-		
20	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	acru				
	CLONE: HUMGS02455					
	SEQUENCE DESCRIPTION:					
25	GATCGCAGAG AAGGCAGCTG	ACATTATCAA	GGGGCAGCCT	GCACTCTGGG	ACAAAGATGT	60
	CCCTGTCTAC AAGCCCAGGA	CGCTGGCCAC	CCAGCGCTAA	GACAGTTGCT	GCTGGAGGAT	120
	GACCAGGGAA GCCCCCTGAT					
	GCCTGAAACT ATCTAGCACA	CTAGGACCCA	GGTGGTACCC	TACTCAGTGG	CTGAGAATTG	
30	GATAAAGTCT TGGGAAATGA	GACAAA		-		266
	SEQ ID NO:2149					
	SEQUENCE LENGTH: 265					
	SEQUENCE TYPE:nucleic	acid				
35	TOPOLOGY: linear					
	CLONE: HUMGS02456		•			
	SEQUENCE DESCRIPTION:					
•	GATCTTTAAC AAATGTTTTA					
40	TGAAGTCTTA ACATTTTAAC					
	ATTTCAGAGA CAATGTTTTC CATTCTTTAT ACTGTTTGTG					
	AAACAATAAA AAATTGCATG		INGCATATIA	AUTUTACAAA	INUNTTINUN	265
	ALLOCATION ANTIOCATO	CIAAA				
45	SEQ ID NO:2150					
	SEQUENCE LENGTH: 264					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
50	CLONE: HUMGS02457			•		
	SEQUENCE DESCRIPTION:				•	

	GAICCIAGIG TITTAATIAC	CIGIGIGCAG	CIAIIIIAAA	IAGCATITIA	CIIGAAIAAI	ου
	ATGTATGTTG TCATTGTTTC	ATGCTATACT	TTGTGGGATA	AAACTTGGGA	ATGAGTGTGG	120
	TAAGAAATTT ATAAAGTTTT	GCTTTTAAAA	CGTGGACATA	ACTCATTTTT	CTAGTTTTTG	180
5	ACAATTGTGT GTTTTAGTGT	CTAGTCTGCA	GAGAGCTGTG	TGATTAATAA	ACGTGGAATT	240
	AACAGAATTT CCTCTCCCTG	TAAA				264
	SEQ ID NO:2151					
	SEQUENCE LENGTH: 259					
10	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS02458					
	SEQUENCE DESCRIPTION:					
15	GATCCTGGGC TCATAGGCAG	TCCCTTTCAC	TTCCTTGTCT	TGCTCCCTGC	TATGCTGGAG	60
	ATGAATGTGA CTAAAAGGGC					
	GAGACAATGT GGCAAAATGG					
	AGGTGATTTC TTTCCTGGTT					
	NNAAAGCAGA ATGTGAGTN	CIMINIGIA	MOOIDMATTIME			259
20	MINANOVAGA ATGTGAGTA					200
	SEQ ID NO:2152					
	SEQUENCE LENGTH: 255					
	SEQUENCE TYPE:nucleic	acid				
25	TOPOLOGY: linear	acru				
23	CLONE: HUMGS02459					
	SEQUENCE DESCRIPTION:					
	GATCAAAGCT GGACTGGAAA	ጥጥሮጥ <b>ለ ጥ</b> ሮሮጥሮ	T A A TT A TTTT	<b>ጥር ጥር ጥጥር ጥጥ</b> ለ	ATCTTATTC	60
	GTACTCAAGT TGTAAATAAC					
30	CCTATAGATT TTCCTTCTAC			•		
	CTATGATTCC TAAGATTTCC					
		AUGUCTIAAU	GGCIAACIIC	INTINUCACO	IIACIGIGIA	255
	AGCAAATGTT ACAAA					200
05	SEQ ID NO:2153					
35	SEQUENCE LENGTH: 248					
	•					
	SEQUENCE TYPE:nucleic	acia				
	TOPOLOGY: linear					
40	CLONE: HUMGS02461					
	SEQUENCE DESCRIPTION:	. moom. c. mo	TNNT+00T+T	0711011100	***********	60
	GATCTGTGCA GCAAAGCACC					
	GCACATGTAC CCTGGAACTT					
	GGTATTTGAT AGCACAACAG					
45	ATGACTAAAA GAGTATAATG	GNTTGTTTGT	AACACAANTA	AATGUTTGAG	UUUATUUNCA	
	CCCCNAAA					248
	000 to No 015					
	SEQ ID NO:2154					
50	SEQUENCE LENGTH: 245	• •				
	SEQUENCE TYPE:pucleic	acid				

5	TOPOLOGY:linear CLONE:HUMGS02462 SEQUENCE DESCRIPTION: GATCTTAAGC TTTGATAAGA GCTGTCCTGT GGCTGAGTAT GGTGTGTATO TCCATCCAGG CTGGGTTCAG AAGCCATAGC TGNGACTAAT GCAAGCTGGC CTGAAAGAAG CTTTAGCTGG AGAGGCAAAG TGGCGGAGT GGCAGGAGTO GATGTGGTTT AAGTNATGGG TNCAGCCTGA TTCTGAGCAA TAATAAAGAN CCAAA	CGAAGCCTTG GATNNGATAA	120 180
10			
15	SEQ ID NO:2155 SEQUENCE LENGTH:244 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUNGS02463 SEQUENCE DESCRIPTION:		
20	GATCCAGGAA GCTCCCAAAC CAGAGTGTGA GAAGGCACTT CTTGCCTTTC GAACCTCTGC GAANCATGGA GAACTTTATG CAACAATTAA AGGAAAGTGG GAGGAGCTAA AATATTCTCT GGAGCTGAAG AAAGCTGAGT TGAAGGCAAA CACTACAGCT GAGCAGATGT AATAGAAATA AACCTATGAA TAAATTTNCT GAAA	CATGACAATG ATTGTTGTAA	120 180
25	SEQ ID NO:2156 SEQUENCE LENGTH:237 SEQUENCE TYPE:nucleic acid		
30	TOPOLOGY:linear CLONE:HUMGS02464 SEQUENCE DESCRIPTION: GATCCTATAT CTTGGTNAAT ATGCTCCCAG ATACTTTAAA CATGGCAACC AGAGAATGTT TGTTCATGGA AAAAAGCTTT TGAGATGAGA	CTTTCTTGTG TTTTATAATT	
35	SEQ ID NO:2157 SEQUENCE LENGTH:234	TIACAAA	231
40 ·	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02465 SEQUENCE DESCRIPTION:		
45	GATCCACGCT GGGCCGAGGA TGGGACGTTT TTCTTCTTGG GCCCGGTCCA GACACCCTCC CTCCAGGGTC CTCTCTTCCA CAGTGGCGGG CCCACTCAGC CCCAACCTCA CCCTCCTGAC CCCCATGTAA ATATTGTTCT GCTGTCTGGG AGGTGCCCCT GATGATGGGA TGCNCTTTAA ATAATAAAGA TGGTTTTGAT	CCCGAGACCA ACTCCTGTCT	
50 ·	SEQ ID NO:2158 SEQUENCE LENGTH:233		

	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02466 SEQUENCE DESCRIPTION:	acid				
5	GATCCCTAAG CTGTAGAACA	TTTTAACGTT	GATGCCACAA	CGCAGATTGA	TGCCTTGTAG	60
	ATGGAGCTTG CAGATGGAGC					
	TGTGCGTTTC TCGGAGAAGT					
	TTAATTTTAA ATGCCTTAGA					233
10						
	SEQ ID NO:2159					
	SEQUENCE LENGTH: 229					
	SEQUENCE TYPE: nucleic	acid				
15	TOPOLOGY:linear					
	CLONE: HUMGS02467					
	SEQUENCE DESCRIPTION:					
	GATCTGTGCA CACTTTCTAA	ACAGCTTGTN	ATGCAAGTNT	GAGCCTATTG	TGTTACTTGA	60
20	CCTTATTTTG GAAGTTTTGA	ATTGGCCTAG	GAGGAAACCC	AGAAATGAAC	CAGGGGTATG	120
	TNATCACTTT TTTNATATCA				ATCCGGCTAA	
	GGTTGGAACT CTGAAGTTGG	AGAAGGTGGA	ATAAAGTTAC	ACCTGGAAA		229
	SEQ ID NO:2160					
25	SEQUENCE LENGTH: 227					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS02468					
	SEQUENCE DESCRIPTION:					
30	GATCCCTGCG AATTACGAAA	ACTACTACAT	CCATGATTGC	CCCAACCCCC	TTGGGGTGGG	60
	GCAGAAGGTG AAGCATCCCA	ACTGACTAGA	GACTCAGGCC	CTGCAGGNCC	TTATAGAACC	120
	TGTGGCCATC CCTGAGCACC	CTGCCACCAG	GTGACCTCGG	CCATACTCAC	TGCCCCCCTT	180
	GGGCACCCAC TCACCNTAGA	ATAAACTTAA	CAGTGTCCCG	TGGTAAA		227
35						
	SEQ ID NO:2161					
	SEQUENCE LENGTH: 226					
	SEQUENCE TYPE:nucleic	acid				
40	TOPOLOGY: linear					
	CLONE: HUNGS02469					
	SEQUENCE DESCRIPTION:					~~
	GATCTTACGA TGCCCTCTGT					
	GTTTGAATCA TAGCCTTGAT			•		
45	GCTTAACTGC TTCTTGGTTG				IGGGIATICI	
	TGAATTGCTT TTACAATAAA	CCAATITIAT	AAIUIIIAAA	IIIAAA		226
	SEQ ID NO:2162					
50	SEQUENCE LENGTH: 224					
50	SEQUENCE TYPE:nucleic	acid				

	TOPOLOGY:linear CLONE:HUMGS02471
	SEQUENCE DESCRIPTION:
5	GATCTGCCTT GCTCACTATT TGCCTATTGG CATATATGAT TACTTTGCTA AAAGACATTT 60
	TGGCCAAGAC AAGCCCATNT CCAGAGCTCT AAGAATGCCT AACTACAAGA AAAAGGCCAC 120
	CTAGGCAATG GAAGCCCTCA AAGAAGTCGG AATGTCATAG TCTTGAAATG AAAGGGAAAC 180
	TGGGAAACTG GGTTTCTCAT TAAAGTTGTT TCCCACTCTN TAAA 224
10	CEO ID NO. 2162
	SEQ ID NO:2163 SEQUENCE LENGTH:221
	SEQUENCE TYPE: nucleic acid
	TOPOLOGY: linear
15	CLONE: HUMGS02472
7.0	SEQUENCE DESCRIPTION:
	GATCTAATTT GATAAACAAC ATGGCTTGTG TGAAAACTGA GCAGGTGTTT GTTTACCCAT 60
	AGTGTTCTGT GTAGTTATTG CTTANTCTGC AGAAAATAAT GACTTAGATG AGATGTCTGA 120
	CTTGCTTTCA CTTATTAAAC ATGTTCACCA TGGGATGATG TCTGTAACAT CAGATATTGT 180
20	TCAACTAGAC TAGGATTTAA TAAAAATTGT GAAAGCTTAA A 221
	SEQ ID NO:2164
	SEQUENCE LENGTH:210
25	SEQUENCE TYPE:nucleic acid
	TOPOLOGY: linear
	CLONE: HUMGS02473
	SEQUENCE DESCRIPTION:
30	GATCTTAATT TACAGTTCCA TGGGATTAAA ACAAGTTTGC ATTTATGTAA TTTGCATTAC 60
	TTTAAAAATT ACAACAACAT AATCTCTGAA ACTTACTTCA ATCAATTCAC ATCCCTACAA 120
	CTGTTAAGAT TTATTTTGTG ATTAGNATCT TATAGTGGGT ATTCTTTTNA GTGCTGATAT 180
	TTCTATTCAT TAAAATCCTG TGNACACAAA 210
35	SEQ ID NO:2165
	SEQUENCE LENGTH: 209
	SEQUENCE TYPE: nucleic acid
	TOPOLOGY: linear
	CLONE: HUMGS02474
40	SEQUENCE DESCRIPTION:
	GATCCTGCAT TAAATTTTTA TTTGTGAAAA TTTGAAAATT ATGAGCTATA ACTTATAAAG 6
	TTTGCCTTCT TATGNCTAAA ATCTTTTAAA GGATTATTTG CATTTATGTA AAACTGGAAA 120
	TGAAGTTATA TATGAGTGCA AAGAAATTGA CTTCTGCTCA AATATGTGTT GATACCCTAC 18
45	AGTAAATTGA ATTAAATTTT TATCCCAAA 20
	SEQ ID NO:2166
	SEQUENCE LENGTH: 203
	SEQUENCE TYPE:nucleic acid
50	TOPOLOGY: linear

	CLONE: HUNGS02475	
	SEQUENCE DESCRIPTION:	
	GATCAGTCAA TTTTCCGTCG TCCGTAACCA GCGGGCCCCT GGTCAAGTNC TGGCTCTGCT 60	
5	GTCCTTGCCT TCCATTTCCC CTCTGCACCC AGAACAGTGG TGGCAACATT CATTGCCAAG 120	
	GGCCCAAAGA AAGAGCTACC TGGACCTTTT GTTTTCTGTT TGACAACATG TTTAATAAAT 180	
	AAAAATGTCT TGATATCAGT AAA 203	,
10	SEQ ID NO:2167	
	SEQUENCE LENGTH: 200	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS02476	
15	SEQUENCE DESCRIPTION: GATCTGGACT TCGAAACTTT CCTCATGGAT TCTGAATAAA AGAAACACTC TACACCTCTT 60	)
	AAATCAAGGT CATGTAGATA ATGACTTTGT TATAAATGCT ACAGCTGTGA GAGCTTGTTT 120	
	CTGATTTCAT TGTTCGCTTC TGTAATTCTG AAAAACTTTA AACTGGTAGA ACTTGGAATA 180	
	AATAATTNGT TTTAATTAAA 200	
20	M.M. 1174 11.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1	
	SEQ ID NO:2168	
	SEQUENCE LENGTH: 200	
	SEQUENCE TYPE: nucleic acid	
25	TOPOLOGY: linear	
	CLONE: HUMGS02477	
	SEQUENCE DESCRIPTION:	_
	GATCTTAAGT GTCTCCTTGC TCTGGTAAAA GATAGATTTG TAGCTCACTT GATGATGGTG 60	-
20	CTGGTGAATT GCTCTGCTCT GTCTGAGATT TTTAAAAATC AGCTTAATGA GAGTAATCTG 120	
30	CAGACAATTG ATAATAACAT TTTGAAAATT GGAAAGATGG TATACTGTTT TTAGAGGAAT 180	
	AAACGTATTT GTGGTTTAAA 200	,
	SEQ ID NO:2169	
35	SEQUENCE LENGTH: 197	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS02478	
40	. SEQUENCE DESCRIPTION:	Λ
70	GATCCAAATC CCAGCTCTAC TGTCTCGTCC GAATTAGCCT TGGGAAAATC ATTTATATGC 6 TAAATAATTT ACCTTTTTAT CTAGGAGATG AAAAGAGGGAT AATGTTTCCT TCCATAAAGA 12	
	AAGTTCTTGT AAGAATCAAA AGAAATGGTG ÁGCTTTAAGT GGTTTGTAAA CCATAAAACA 18	n
	CATCATAAAA GTTCAAA	
	CAICAIAAAA GIICAAA	•
45	SEQ ID NO:2170	
	SEQUENCE LENGTH: 201	
	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	
50	CLONE: HUMGS02479	

	SEQUENCE DESCRIPTION:					
	GATCCATGNC ATCTCTCTCT					60
	ACTGGAGGCA GTCCATCTAG					
5	TGCTATTCTA GAGCTTTTAT	TTGNGTGTGT	TCGTTGCACA	NCTTGTTTTA	AATGTTTAAT	180
	AAAAGCTTTA TAAACTTTAA	A				201
	SEQ ID NO:2171					
10	SEQUENCE LENGTH:218					
70	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear	•				
	CLONE: HUMGS02480					
	SEQUENCE DESCRIPTION:					
15	GATCCCCCAA GTACAGGCGC					60
	GGCTGGCAGC GTAGTGGGGC					
	GCAAACGTTG TCATTGGCAG	GGAAGGGTGG	GGGGCAGCTG	CGGTGGGGNG	CTATAAAANT	180
	GACAATTAAA CGNGACANTN	GTNTTTTATT	TCCTNAAA			218
20						
20	SEQ ID NO:2172					
	SEQUENCE LENGTH: 195					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
25	CLONE: HUMGS02481		•			
	SEQUENCE DESCRIPTION:					
	GATCCTTGCA GGGAGCTTGG					60
	CCACTGACTC CACTGACAAT					
00	CCACCCCCNT CTTATTTAAA	TAGCTACCAA	AGTACTTCTT	TTTTAATAAA	AAAATAAAGA	
30	TTTTTATTAG GTAAA					195
	SEQ ID NO:2173					•
	SEQUENCE LENGTH: 194					
35	SEQUENCE TYPE: nucleic	acid				
•	TOPOLOGY: linear					
	CLONE: HUMGS02482					
	SEQUENCE DESCRIPTION:					
10	GATCCGGCAA CATCAACCCG					
40	CGCAGGCTGA CCACAGCACA					
	GGGCTGGTTC TGTAATTGTG	TGTGATGTGA	AGCCAATTCA	GACAGGCAAA	TAAAAGTGAC	
	CTTTTACACT GAAA					194
	and in No cont					
45	SEQ ID NO:2174					
	SEQUENCE LENGTH: 192	.,				
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
50	CLONE: HUMGS02483					
	CENTENCE DESCRIPTION.					

		GATCAAATGG A	AAAGGAGAGG	AAAGAACTCA	GTGCTGCCTA	TTAGTAGTTA	ATTCTGTCAC	60
		TCACCACTAC A	ATCACTTGAG	ACAAATCTAT	GCCACTCAGA	ATCTCCTTCT	TTCCTGGACT	120
		TAACTCTAAT T	CTAGAGTCT	CTGTTACTGC	TTGGGCTATA	CCTGGGCATA	CTAATAAAGT	180
5		ATGGTATTGA A	<b>L</b> A					192
		SEQ ID NO:21	175			•		
	•	SEQUENCE LEN	NGTH: 192			*		
		SEQUENCE TYP		acid				
10		TOPOLOGY: lin						
		CLONE: HUMGSO	2484					
		SEQUENCE DES						
		GATCAGAACT G						60
15		CGANNNTTAT T						
		GTGTATTTAT T		AACACTGGAA	TTACAAATGA	GAAGAGTCTA	CAATAAATTA	180
		AGATTTTTGA A	LA.					192
		SEQ ID NO:21						
20		SEQUENCE LEN						
		SEQUENCE TYP		acid				
		TOPOLOGY: lin						
		CLONE: HUMGSO						
25		SEQUENCE DES						
		GATCGTCTTG G						60
		ATTGACTCAT G						
		CCCAGCGCCT G	TNCTGAGGA	CTCCCTCCAT	GTGGCCCCAG	GTGCCACCAA	TAAAAATCCT	
30		ACAGAAA						187
30		CDA ID NO. 01	00					
		SEQ ID NO:21						
		SEQUENCE LEN	· · · · · ·					
		SEQUENCE TYP TOPOLOGY:lin		acid				
35		CLONE: HUMGSO						
		SEQUENCE DES						
		GATCATTGAA A		<b>ጥጥጥል አ</b> ድልሮጥ	<b>CTTCTT A A A A</b>	<u>ሮሞ እ ቸጥሮ እ</u> ሮሮሮ	CCC	60
		ACCAATTATG G						
40		CAGTTGATTC A						
-		ATTGAAA	UIIIUIAAI	VVCIVATIVAT	dadciicidi	IIACAAIAAA	AAINCIGIAA	187
								101
		SEQ ID NO:21	78					
		SEQUENCE LEN						
45		SEQUENCE TYP		acid				
		TOPOLOGY:lin				•		
		CLONE: HUMGSO	·					
		SEQUENCE DES						
50		GATCAGTTGC T		TGTTCAATGA	CCTCAAGACA	TATATTTTTG	AGAAATTATC	60
		· · · · · · · · ·						

	ATTTTAAAAA ATTTGGTCTA					
	CACTGACCTC TGGAAAATAT	TTTGTNCACA	AGAAATAATA	AAGTATAATG	ATTTGTNGCA	180
	NNNAAA					186
5						
	SEQ ID NO:2179					
	SEQUENCE LENGTH: 179					
	SEQUENCE TYPE:nucleic	anid				
	TOPOLOGY: linear	acru				
10						
	CLONE: HUMGS02489					
	SEQUENCE DESCRIPTION:					
	GATCCACAAG GCCTGAGGAG					
	AGACTGGGAT GCCTGTCTTG					
15	CCCCCACCNC NTTGTCTAAT	CTGTAGAAGC	TAATAAATAA	TCATCCNTNC	TTGCCTAAA	179
	SEQ ID NO:2180					
	SEQUENCE LENGTH: 179					•
	SEQUENCE TYPE:nucleic	acid				
20	TOPOLOGY: linear					
	CLONE: HUMGS02490					
	SEQUENCE DESCRIPTION:					
	GATCCAATGG AGCCTGGNGA	GGTGTGCCCA	GAAAGCTTGT	CTGTAGCGGG	TTTTNTGAGA	60
25	GTNAACACTT TCCACTTTTT					
20	AATTTTCCAA ATGTAGCTTG					
		MMITTORAL	AAACITIGGI	CIGITITICI	nnnninnn	113
	SEQ ID NO:2181					
	SEQUENCE LENGTH: 177					
30	SEQUENCE TYPE: nucleic					
		acid				
	TOPOLOGY: linear					
	CLONE: HUMGS02491					
	SEQUENCE DESCRIPTION:					
35	GATCTGTCCA CTCCTGGTCA					60
	GCTAGGGAAA ACTGCTCCTC					120
	CTGGGCAAGT GCTTGTCAAG	TTCTAGTTGT	TCAATAAATT	TGTTAATAAT	GCTGAAA	177
	SEQ ID NO:2182					
40	SEQUENCE LENGTH: 176					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	BCIG				
	CLONE: HUMGS02493					
4E	SEQUENCE DESCRIPTION:					
45		ተተተረሰረ ነው	CCCTCCTTCC	C 1 1 C T T T T T T T T T T T T T T T T	0001010110	
	GATCAAAAAA CCACAGGGCT					60
	AGAGATGAAA CCTGTAAGAA					
	TTACTTTCTT AGTATGTACA	GTCTTCTCAG	GATGAGCAGT	AAAACCTTTG	AACAAA	176
50	OPO ID NO COO					
	SEQ ID NO:2183					

	SEQUENCE LENGTH: 175					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
5	CLONE: HUMGS02494					
	SEQUENCE DESCRIPTION:					
	GATCCTAAAC TCTCTAGCTT	AAGTGTAAAT	GAAGTACAGT	AGTTTCCCTA	CTGAACCCTA	60
	CCTCTTGTGT CCCTGGAACC					
	AGCCACCACA TCCCTTCATA				-	175
10						
	SEQ ID NO:2184					
	SEQUENCE LENGTH: 166					
	SEQUENCE TYPE:nucleic	acid				
15	TOPOLOGY: linear					
	CLONE: HUMGS02495					
	SEQUENCE DESCRIPTION:					
	GATCCGGAGG GCCCAGGAGA	ACCGGAGCGT	GCTTCAGGGT	GCCCGCAGAA	CAGGAGCTGC	60
	TCAGCCAAGA ACTGTGGCGG					
20	CTNAGGGGGT CATGTGGTCA				-	166
	SEQ ID NO:2185					
	SEQUENCE LENGTH: 164					
25 .	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS02496					
	SEQUENCE DESCRIPTION:					
30	GATCAAAATC AAGAAATCCG	GGCATCACAG	AGAAGTTGGG	TTTAGGACAG	CAGGTGCTGT	60
30	TCCGAGACTC AGTCCTAAAG	GGTTTTTTTT	CCCACTAAGC	AAGGGGCCCT	GACCTCGGGA	120
	TGAGATAACA AATTGTAATA	AAGTAACTTC	TCTTTTCTTC	TAAA		164
	SEQ ID NO:2186					
35	SEQUENCE LENGTH: 164					
	SEQUENCE TYPE:nucleic	acid				
•	TOPOLOGY:linear					
	CLONE: HUMGS02497					
40	SEQUENCE DESCRIPTION:					
	GATCAGCCCC TTAAAATNAG					
•	GAGGGCCTGT GAGCTCACGT				CTTCAAGTGT	120
	CCCTTGTTTG AAATAAACTT	AGCAGAGTCA	CTTTCTATCT	TAAA		164
	ADA ID NA					
45	SEQ ID NO:2187					
	SEQUENCE LENGTH: 163					
	SEQUENCE TYPE:nucleic	acid	•			
	TOPOLOGY:linear					
50	CLONE: HUMGS02498					
	SEQUENCE DESCRIPTION:					

	GATCTAATGG TTTTATAAAT	NAAAGTTCCC	CTGGACAAGT	TCTCTTGCCT	GCCACCATGT	60
	AAGATGTACC TTTGCTACTC	ATTCACCTTC	TGTCATGATG	GTGAGGCCTT	CCCAGCAATG	120
	TGGAACTGTG AGTCCATTAA	ACCTCTTTCC	TTTATAAATT	AAA		163
5						
10	SEQ ID NO:2188 SEQUENCE LENGTH:162 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02499	acid				
15	SEQUENCE DESCRIPTION: GATCCTAACC AGGTAACCTG CTAGAAATAC CTAAATAGAA TTATTTNAAT AAATCCTAAA	TACCATGGTC	ATTGGAAAAA	ATAGATAGTN		
20	SEQ ID NO:2189 SEQUENCE LENGTH:154 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02500	acid			. •	
25	SEQUENCE DESCRIPTION: GATCCTGGCC ATGAATGAAA CTTTCCCAAT NAGACTTCCT TGGTGTGTTC TGTGATAATG	CTCCTTCCAC	CCCTCATTTC			
30 .	SEQ ID NO:2190 SEQUENCE LENGTH:154 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02501	acid				
35	SEQUENCE DESCRIPTION: GATCAAAGCC AGCNACCCCC GTAAATCCCA GCCTGGCCAT TAGCAGTGGC AGAATAAACT	ACCCTCAACC	TCAGTGGGCT			
40	SEQ ID NO:2191 SEQUENCE LENGTH:153 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
45	CLONE:HUMGS02502 SEQUENCE DESCRIPTION: GATCGCCCCA CTGCAATCCA TTCTTATGTT TGTGTTATTT ATTTGTGGCA ATAAAAATNA	CATGTGTGCC	AGTTTCTCTT			
50	SEQ ID NO:2192			•		

5	SEQUENCE LENGTH:151 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02503	acid				
	SEQUENCE DESCRIPTION: GATCATGGTG ATTTTACTGC					60
10	CAGCAGTNAC ACCTGCCAAT GCTCTCAATA AATTCCCCCA	-		CCITITEGIA	CUCAAAACCI	151
15	SEQ ID NO:2193 SEQUENCE LENGTH:371 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE: HUMGS02504 SEQUENCE DESCRIPTION: GATCCCAGGA ACCTTCCTNC	TCCAGGGCAG	CACAGGACTC	AGCCATGTNT	GGACCGGCCC	60
20	TGCTGAGGCT ACAGTCACTC GAGGGGTCCT TGAAGATGGG	TGGAAGCTCT	GCGCTTCATC	AGGNGGCAGG	ACTGTGGCGG	120
	GACTCACTTT GCTTTATTTT TTTAGTGTGG TCTCAGGATG AAACTTCCCA GACAAGCTCC	TGACAGGCAG	TCCAGCCTGA	CCTTTCTGCA	CACTCCAGAC	300
25	ATTAAAAGGT N					371
30	SEQ ID NO:2194 SEQUENCE LENGTH:147 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02505	acid				
35	SEQUENCE DESCRIPTION: GATCAAGAAA GAGATGGAGG NAGCAGTGTG GAAAAAAAA TCTCTATTAA AATTACTGAT	ACCAAAAANC				60 120 147
40	SEQ ID NO:2195 SEQUENCE LENGTH:145 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02506	acid				
45	SEQUENCE DESCRIPTION: GATCTGTGTC ATTNCCCATG GTATTCTNAG TTCTACTGGT CCCAATAAAA TGCCTGTAAC	TCTACACTGT				
50	SEQ ID NO:2196 SEQUENCE LENGTH:144					

5	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02507 SEQUENCE DESCRIPTION: GATCGCTACT CTTAAGAATA GTATGATTCG CTTACTGTTA ATGAGACTTT GTGTTTACGT	TACATGTATG TTGTGCTGAG				
10	SEQ ID NO:2197 SEQUENCE LENGTH:143 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02508	acid				
20	SEQUENCE DESCRIPTION: GATCAGCTGG AAGCTCACTA TGCAGGCTCC TGCGGGCTCA GTAAAGGNGC AGGCAACCTC	CCACGGCTGC				60 120 143
25	SEQ ID NO:2198 SEQUENCE LENGTH:141 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02509	acid	·	•		
30	SEQUENCE DESCRIPTION: GATCCAGTGA GATAGAATAC GGGAAAGAAT TGAGGAATTA TAAAAAAAAT GTTANGANAA	ACTGCATACG				
35	SEQ ID NO:2199 SEQUENCE LENGTH:137 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02510	acid				
40	SEQUENCE DESCRIPTION: GATCCCTTGT GGCTATGCAG GGTTCAAACC TTGTGATTAA ATATCNAAAA CATTAAA					
45	SEQ ID NO:2200 SEQUENCE LENGTH:135 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02511	acid				
50	SEQUENCE DESCRIPTION: GATCCCTGTT TAACTCCAAA		ACTTGGATAC	ATCATTTGTA	ACATTGTAGG	60

	AAAGAAAAAA GTCTTGGTTN CTTTTGTTCT GTAAA	TGAAAAACGA	TTTGCATTTG	GGTAAAATAA	AGTGACCATG	120 135
5	SEQ ID NO:2201 SEQUENCE LENGTH:135 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02512	acid				<b>A</b>
10	SEQUENCE DESCRIPTION: GATCCAGCTC AAGTGCCATC CTCTGTGTCC TAGAAGGGAC GCTATCCCCG CCAAA					60 120 135
15						
20	SEQ ID NO:2202 SEQUENCE LENGTH:133 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUNGS02513	acid				
25	SEQUENCE DESCRIPTION: GATCACTACT GCTCTTGGAG CCCATAAAAT CTGGCTCGTC GCCCTGCATT AAA					
30	SEQ ID NO:2203 SEQUENCE LENGTH:138 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02514 SEQUENCE DESCRIPTION:	acid				
35	GATCCTCCCG CTGGCTTCCA TTCCTGCGGA GACCCTCAGT TGCTTTTGTT GGAATAAA					60 120 138
40 .	SEQ ID NO:2204 SEQUENCE LENGTH:130 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02515	acid				
45	SEQUENCE DESCRIPTION: GATCATTTCA CCTGATGTTT TTTGTTAATT GTACACTGAA GTGAATGAAA					60 120 130
	SEQ ID NO:2205			-		

	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02516	e acid				
5	SEQUENCE DESCRIPTION		•			
	GATCTCCTAT GTTACCAAT	TGTATCGTCT	CCTTCTCCCT	AAAGTGTACT	TAATCTTTGC	60
	TTTCTTTGCA CAATGTCTT					120
	ATTTCGAAGA ATGTGGTGTT	GGTGCTTTCC	TAATAAAGAA	ATAATTTAGC	TTGAAA	176
10	SEQ ID NO:2206					
	SEQUENCE LENGTH: 130					
	SEQUENCE TYPE: nucleio	anid				
	TOPOLOGY: linear	aciu				
15	CLONE: HUMGS02517					
	SEQUENCE DESCRIPTION:					
	GATCATGTTA TGAATTTGTA		AACACCTCAC	TTTTNAATCT	ATAAAAGAAT	60
	TGCACGTATG ANAAACCTAT					
	AAGAATGAAA			U		130
20						
	SEQ ID NO:2207					
	SEQUENCE LENGTH: 128					
	SEQUENCE TYPE: nucleio	acid				
25	TOPOLOGY:linear					
	CLONE: HUMGS02518					
	SEQUENCE DESCRIPTION:					
	GATCTAGCTT CTGGCTCTGT					60
30	CTCTGAATTT CAGTTTTGTC	TCTNTNTAAA	TGAAGAAGGT	TGTAATAAAA	AAAATCTCAA	120
	GTTTCAAA					128
	SEQ ID NO:2208					
	SEQUENCE LENGTH: 349					
35	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	aciu				
	CLONE: HUMGS02519					
	SEQUENCE DESCRIPTION:					
	GATCCGTCAT GGNCAACGAG		AGAACATCAC	CCAGCGCGGC	ATACGTCGCC	60
40	AAGACCTCGA GAAATGCCCC					
	TCACTTTTGT NGTCTGTGGT	TCTGCAATTT	TCCAGATTAT	TCAAAGTATC	AGGATGGGCA	180
	NNTGAAGTGA CTGACCTTAA					
	GATGTTTGAN CCCTGGTTNA	ACAATTCAGT	AAANATCTGC	TAGAATNCTT	NCTATCATNT	300
45	TCATGTGCAT TCAAGNTTCT	CATNGCATCC	ANGTTCTAGN	CAACACAGN		349
	SEO ID NO. 2222					
	SEQ ID NO: 2209 SEQUENCE LENGTH: 127					
	SEQUENCE TYPE: nucleic	ani d				
50	TOPOLOGY: linear	aciu,				

5	CLONE: HUMGS02520 SEQUENCE DESCRIPTION: GATCACCAGG CAGCGACCTC AAGCGNTGCC GNCGGACCTG CCNTTTN			
10	SEQ ID NO:2210 SEQUENCE LENGTH:126 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02521	acid		
15	SEQUENCE DESCRIPTION: GATCTGGGCC ACTTCCCTCC TTCAGGTGTA TATTTTGTAG AAGAAA			
20	SEQ ID NO:2211 SEQUENCE LENGTH:126 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO2522	acid	. •	
25	SEQUENCE DESCRIPTION: GATCTTTCAT AAAGCAGAAT ATTCGTTGTT ACAAAACCAA TGGAAA			60 120 126
30	SEQ ID NO:2212 SEQUENCE LENGTH:127 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02523	acid		
40	SEQUENCE DESCRIPTION: GATCTCGCAA AGTTATTCTT GAGGAAGCTG AGCAGACCCC TGTCAAA			60 120 127
45	SEQ ID NO:2213 SEQUENCE LENGTH:125 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02524 SEQUENCE DESCRIPTION:	acid		
50	GATCAATGTA CTTTTTATAA TTTATTATTC TTAAATGCTG			

5	SEQ ID NO:2214 SEQUENCE LENGTH:121 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02525 SEQUENCE DESCRIPTION:	acid		
10	GATCAGTTTG GAGAGTAGGG AGAATTATTT TTGTGTTTCT A			 
15	SEQ ID NO:2215 SEQUENCE LENGTH:124 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02526	acid .		
20	SEQUENCE DESCRIPTION: GATCCCCGCA TGGTGTTGGG TACAGATGAG AGGTGGCTGA GAAA			60 120 124
25	SEQ ID NO:2216 SEQUENCE LENGTH:120 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02527	acid		
30	SEQUENCE DESCRIPTION: GATCAAAAAG GGGTCTGAGG GAGAACCTGA CAGCAAGTAA			60 120
35	SEQ ID NO:2217 SEQUENCE LENGTH:120 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02528	acid		
40	SEQUENCE DESCRIPTION: GATCTGAGTT CTGAGCAAGT CCGGCCCACC TGTTTAACTC			60 120
<b>4</b> 5	SEQ ID NO:2218 SEQUENCE LENGTH:120 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUNGS02529	acid		
50	SEQUENCE DESCRIPTION:			

	GATCGGAACT GTAAAGCTAT AATCCCCAGA ATTAAAGTTT TTATTATTTT TT.	ATACATTG 60
	TAAAACATAG ACGTTTATTT ATGTGATTAA NTTCTATTAA AATTTACATG CTA	AAANTAAA 120
5	SEQ ID NO:2219	
	SEQUENCE LENGTH: 115	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUNGS02531	
10	SEQUENCE DESCRIPTION:	
	GATCCAGTTT TTCTTGGGAG GTTGTATCTG GTCATAAGGT AAACATTCTA TAY	TATTCTAT 60
	GCCTGCTCTA GAATTGAAAG ACTTCAGCAG TATTAAAGCA TTTTTTAATC TT	
	doordord manifestata Autionada Intinandon IIIIIIIANIC III	nnn IIJ
15	SEQ ID NO:2220	
	SEQUENCE LENGTH: 122	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
20	CLONE: HUMGS02532	
	SEQUENCE DESCRIPTION:	
	GATCTGTATT TGTATATGCT GATGCAATGA TAAAAATCAC TGTAATAGNT TCA	ATTGTGTT 60
	GTACTGGATG CAAAGCTAGA AAATATTGCA ATANNTGAGA CCGATGAAAG ACT	FTCTCTGA 120
	AA	122
25		
	SEQ ID NO:2221	
	SEQUENCE LENGTH: 110	
	SEQUENCE TYPE:nucleic acid	
30	TOPOLOGY: linear	
	CLONE: HUMGS02534	
	SEQUENCE DESCRIPTION:	
	GATCTTGGGC AAGTTAATCT CTGGGAACTT TGGGTTTCTT ATCCTCAAAA AAG	
35	AAGGNCTGGG NCNCGTGATT AAATAAAAGC AACGCAAGAA AAATGCCAAA	110
	SEQ ID NO:2222	
	SEQUENCE LENGTH: 109	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
40	CLONE: HUMGS02535	
	SEQUENCE DESCRIPTION:	
	GATCGATGGT ACTITITGAA AATGCTTTAT TGCAAAAAAG TGGCTAGGGT TTI	TACAAGGN 60
	CTATGAAGAA ACATATTAAG GTTAATAAAG CTTTTTATTG AGTGTTAAA	109
45		3.5
	SEQ ID NO:2223	
	SEQUENCE LENGTH: 105	
	SEQUENCE TYPE:nucleic acid	
50	TOPOLOGY: linear	
	CLONE: HUNGS02537	

	SEQUENCE DESCRIPTION:	
	GATCCTCCCT TAGAGCATTT GGAAGAGTGT GGCCCTGCCA ACACCTTGAC TTCAAACTTC 6	n
	TGGCCTCCAT AACTATGAAA TAAATNCTTG TTGTTTTAAG CCAAA 10	_
5		-
	SEQ ID NO:2224	
	SEQUENCE LENGTH: 108	
	SEQUENCE TYPE: nucleic acid	
10	TOPOLOGY: linear	
	CLONE: HUMGS02538	
	SEQUENCE DESCRIPTION:	
	GATCTGTCCA CTTCTGGTGT CAAAGATTTT ACTCATCTTC TTAGTACATT CTATGTATTT 60	)
	NATATGTATA ATTTTATACA ATTAAAAATA GATTTTNGTC TAGTGAAA 108	
15		
	SEQ ID NO:2225	
	SEQUENCE LENGTH: 102	
:	SEQUENCE TYPE:nucleic acid	
20	TOPOLOGY: linear	
	CLONE: HUMGS02540	
	SEQUENCE DESCRIPTION:	
	GATCTTATAT CATTACAGTA GCCTTTTTGT AGAATCCATC CTATTTTCCA CATGGATAAT 60	į
	CATGTCATGA AGAATAAAGA CAGTTTTACT TCTTTCCTTA AA 102	
25		
	SEQ ID NO:2226	
	SEQUENCE LENGTH: 100	
	SEQUENCE TYPE:nucleic acid	
30	TOPOLOGY: linear	
	CLONE: HUMGS02542	
	SEQUENCE DESCRIPTION:	
	GATCCCAGGG GAGGGGTCTC TCCTCCCACC CCAAGNCATC AAGCCCTTCT CCCTGCACTC 60	
	AATAAACCCT CAATAAATAT TCTCATTGGT CAATCAGAAA 100	
35		
	SEQ ID NO:2227	
	SEQUENCE LENGTH: 97	
	SEQUENCE TYPE:nucleic acid	
40	TOPOLOGY:linear	
	CLONE: HUMGS02543	
	SEQUENCE DESCRIPTION:	
	GATCTGCTGC TTCCAAGTTG TGTGACCTTG GCTAAGTCAC TTAACCTTTC TGATTGTCAT 60	
45	TTCGCTTTTT AATAAAGTGG GTCTGGTGAA CAAGAAA 97	
45	SEQ ID NO:2228	
	• • • • • • • • • • • • • • • • • • • •	
	SEQUENCE LENGTH: 97	
	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
50	CLONE: HUNGSO2544	
	OLUME . NUMUSUC344	

	SEQUENCE DESCRIPTION	:				
	GATCCCACTG TATGGCTAT	A CGGTATTTTA	TCAGTGCATC	CACTGTCGGG	TTTTTCCCCT	60
	TGTGGACTAT TATGAATAG	T GGACGCTTGT	GTGCAAA			97
5						• •
	SEQ ID NO:2229					
	SEQUENCE LENGTH: 94					
	SEQUENCE TYPE: nuclei	c acid				
10	TOPOLOGY:linear					
-	CLONE: HUMGS02545					
	SEQUENCE DESCRIPTION	:				
	GATCAGGTGA GCTGTGTCC	A GAAAACCAAC	GAGAAGGAGT	GGAAGGAGGA	ATGAACGTTT	60
	CATTCTCGTT AATAAAGGC					94
15						٠.
	SEQ ID NO:2230					
	·					
	SEQUENCE LENGTH: 102					
	SEQUENCE TYPE: nuclei	c acid .				
20	TOPOLOGY: linear					
	CLONE: HUNGS02546					
	SEQUENCE DESCRIPTION	:				
	GATCTAATCT ATTCCTGGG	G CCATAACTCA	TGGGAAAACA	GAATTATCCC	CTAGGACTCC	60
	TTTCTAAGCC CCTAATAAA					102
25						
	SEQ ID NO:2231					
	SEQUENCE LENGTH: 93					
	SEQUENCE TYPE:nuclei	c acid				
30	TOPOLOGY: linear					
	CLONE: HUMGS02547					
	SEQUENCE DESCRIPTION	:				
	GATCATATAT TTGTGGCAT	A CAGTGTGATG	TTTTGACATG	NATATAATTT	TGTATACAAT	60
	GTGGAATGAT TAAAACAAG	C TAATTAACAT	AAA			93
35						
	SEQ ID NO:2232					
	SEQUENCE LENGTH: 92					
	SEQUENCE TYPE:nuclei	o anid				
	TOPOLOGY: linear	c acru				
40						
	CLONE: HUMGS02548					
	SEQUENCE DESCRIPTION					
	GATCTGCACT TCCTCCCCT	T TCACCTACCT	GTACACCTAA	CCTGGCCTTA	GACTGAGCTT	60
	TATTTAAGAA TAAAATCGT	G GTGGTGGTCA	AA			92
45						
	SEQ ID NO:2233					
	SEQUENCE LENGTH: 91					
•	SEQUENCE TYPE: nuclei	c acid				
	TOPOLOGY: linear					
50	CLONE · HUMGS02549					

	SEQUENCE DESCRIPTION:	
	GATCAGTGGC TGCTGGGTGG CGGGTACCCT TNCTCAGATG CCTGGCAGGN CTGGNTGG	CG 60
	ATTCATAAAG ACCTCGTGTT GATTCCCCAA A	91
5		
	SEQ ID NO:2234	
	SEQUENCE LENGTH: 89	
	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	
10	CLONE: HUNGS02551	
	SEQUENCE DESCRIPTION:	
	GATCTAACCC CTTACCCATC INTCTACTGC IGGACTGIGG AGGGTCACCA GGTIGGGA	AC 60
	ATGCTGGAAA TAAAACAGCT GCAACCAAA	89
15		0.5
	SEQ ID NO:2235	
	SEQUENCE LENGTH: 88	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
20	CLONE: HUMGS02552	
	SEQUENCE DESCRIPTION:	
	GATCTTTTTG AGAGAAACAA ATGAGGATTG TAAAGTTTGG GGACTTACCT CTGTAGCA	TT 60
	GTGAAAATAA ACTTTGATTA AGCTGAAA	88
25	OTOMBUTTER NOTITION IN AUGUSTA	00
_	SEQ ID NO:2236	
	SEQUENCE LENGTH: 88	
	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	
30	CLONE: HUMGS02553	
	SEQUENCE DESCRIPTION:	
	GATCACCTCG GCGTCTGTTT TGTATGCTCT TTACCTATGG ACTAGTTTGT GGACGGCTA	AA 60
	GAAATACAGC CTCAGCATTG ATTTGAAA	88
35		
	SEQ ID NO:2237	
	SEQUENCE LENGTH: 88	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
40	CLONE: HUMGS02554	
	SEQUENCE DESCRIPTION:	
	GATCTTAAGG AGTGTAATTT GCAATCTAAT TTTATCCTCT TACTCTGTGT TGTTAAACC	CA 60
	TATACAATAA ACGGTGTTTA TGGAGAAA	88
45		
	SEQ ID NO:2238	
	SEQUENCE LENGTH: 96	
	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	
50	CLONE: HUMGS02555	

	SEQUENCE DESCRIPTION:	
	GATCTGGCTG TGAGGCCCTC AGGGCAGGGA TACAAAGCGG GGAGAGGGTA CACAATG	GGT 60
	ATCTAATAAA TACTTAAGAG GTGGAATTTG TGGAAA	96
5		
	SEQ ID NO:2239	
	SEQUENCE LENGTH: 86	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY:linear	
10	CLONE: HUMGS02556	
	SEQUENCE DESCRIPTION:	
	GATCCGGGGA CCAGGGGCTG ACCTCCATTC GTACCCCACT GCTTTGGAGN TGATGGG	ACT 60
	ATCAATAAGA ACTCTGTTCA CGCAAA	86
15	ATOMETHICA ACTOTOTION COCKES	
	SEQ ID NO:2240	
	SEQUENCE LENGTH:90	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY:linear	
20	CLONE: HUMGS02557	
	SEQUENCE DESCRIPTION:	
	GATCAAACCA TTTNACCTGG AGTTTGGTAC TGGTTTTAAC TTCTCTNAAT CTGTATA	AAGA 60
	AAAATGAAGA CAATTGAACT TTCAAACAAA	90
25	AAAATUAAUA CAATTUAACT TTOAAACAAA	
25	SEQ ID NO:2241	
	SEQUENCE LENGTH: 85	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
30	CLONE: HUMGS02559	
	SEQUENCE DESCRIPTION:	
	GATCCAAGTT TTGCGGGGTC TAAAGCTGTG TGTGTTGAGG GGGATACTAA GTTTATC	GAAA 60
	AAGAATAAAA AACACAACCA CGAAA	85
35	ANUARIAAAA AACACAACCA CUAAA	
33	SEQ ID NO:2242	
	SEQUENCE LENGTH: 84	
	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	
40	CLONE: HUNGS02560	
	SEQUENCE DESCRIPTION:	
	GATCTCGCCA CTNTTCTCCA ACCTGGGCAA TAAAGCAAGA NCCTGTCTTC AAACAA	GCAA 60
	ATAAAAACTT CCTTATCCTG CAAA	84
45	AIMMBMOIT COTTATOUT OBB	r
70	SEQ ID NO:2243	
	SEQUENCE LENGTH: 80	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
50	CLONE: HUMGS02562	

	SEQUENCE DESCRIPTION: GATCCTGTTA GCTTTCTGAA	TETTCTGTGG	TTGAATGTGT	TTTTCCTT14	ATAAAGCTTT	60
	TGGTATTTGT TTAAATTAAA			TITIOTIM	ATABAGOTTI	80
5						00
10.	SEQ ID NO:2244 SEQUENCE LENGTH:79 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE:HUMGS02563 SEQUENCE DESCRIPTION: GATCCCAACC GTTTGGCACA AAACCAGTTT CCCGAGAAA	GCTTTGGCCA	CAGCCAGGCC	CCTCTGGAAT	TGTCCTTATT	60 79
15						
20	SEQ ID NO:2245 SEQUENCE LENGTH:78 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid		·		
20	CLONE:HUMGS02564 SEQUENCE DESCRIPTION: GATCCGGGTC AATGCTTCGT TAAACTTTTT GAAACAAA	TTTCTAAAGG	ATGCTGCTGT	TGAAGCTTTG	AATTTTACAA	60 78
25						10
; 30	SEQ ID NO:2246 SEQUENCE LENGTH:76 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02565	acid				
35	SEQUENCE DESCRIPTION: GATCTTGGTT TTCCATGAAT CTACTTTATT AACAAA	ACAGCATGTA	TAATAAAAT	TTTAAGAAAT	AAATGTTATT	60 76
	SEQ ID NO:2247 SEQUENCE LENGTH:74 SEQUENCE TYPE:nucleic	acid				
40	TOPOLOGY:linear CLONE:HUMGS02567 SEQUENCE DESCRIPTION: GATCTTCTGC CGGGCGTGCC	CCAGAGGACA	GTGGGTGGAG	TGGTCCTACT	TATTAAATGT	60
	CTCAGCCCCT CAAA					74
45		•				
	SEQ ID NO:2248 SEQUENCE LENGTH:73					
	SEQUENCE TYPE:nucleic	acid				
50	TOPOLOGY:linear CLONE:HUMGS02568					

	SEQUENCE DESCRIPTION:					
	GATCTCACCT TTGCAAAGTT G	GGATAGTCAA	TTTGTTTTTA	GAGGAAATAA	AACACTTATT	60
	CTGTGATTTT AAA					73
5						-
	SEQ ID NO:2249					
	SEQUENCE LENGTH: 73					
	SEQUENCE TYPE: nucleic a	acid				
	TOPOLOGY: linear					
10	CLONE: HUMGS02569					
	SEQUENCE DESCRIPTION:					
	GATCTGGAGA GAAAAACATT C	CAAACCATTG	CATCATACAA	AAAAAAGGCT	ATTAAAAATT	60
	GGATTATAGC AAA		0.110/11/10/10/	MEDEL DIOGOI	MITAMMATI	73
15						13
	SEQ ID NO:2250					
	SEQUENCE LENGTH: 72					
	SEQUENCE TYPE:nucleic a	cid .				
	TOPOLOGY: linear				•	
20	CLONE: HUMGS02570					
	SEQUENCE DESCRIPTION:					
	GATCAGAGTA AGAATGTCTT A	AGAAGAGGT	TTGTAAGGTC	TTC 1 T A A C 1 A	AGTGGTGTTT	60
	GTTATTTACA AA	MUMMUMUI	IIGIAAGGIC	IICATAACAA	Adiddidili	72
25	diminun m					12
	SEQ ID NO:2251					
	SEQUENCE LENGTH: 74					
	SEQUENCE TYPE:nucleic a	cid	•			
	TOPOLOGY: linear	.cru				
30	CLONE: HUNGS02571					
	SEQUENCE DESCRIPTION:					
	GATCAAATCT GTACAGTTTC T	ATTGTTCCA	GATTTTTTA	A GTTTGTATT	AAAAGCATGA	60
	TACATAATAG TAAA		J	AUITIGIATI	AMBIGOALGA	74
35						
	SEQ ID NO:2252					
	SEQUENCE LENGTH: 71					
	SEQUENCE TYPE:nucleic a	cid				
	TOPOLOGY: linear					
40	CLONE: HUMGS02572					
	SEQUENCE DESCRIPTION:					
	GATCTTTTCA GTGTTTTTTC A	CTTTAGCTA	TGTGGATTAG	CTAGAATGCA	CACCAAAAAA	60
	ATACTTGAGC N					71
45						
	SEQ ID NO: 2253					
	SEQUENCE LENGTH: 71					
	SEQUENCE TYPE:nucleic a	cid				
	TOPOLOGY:linear					
50	CLONE - HUNGS02573					

	SEQUENCE DESCRIPTION:		
	GATCCAGGAG GGAGCCACCC CCAAGGACCC TGCCAGCCAC AGACCTCCAA TAAA	GACAGC 60	
5	Middle Mi		
10	SEQ ID NO:2254 SEQUENCE LENGTH:71 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02574 SEQUENCE DESCRIPTION:		
	GATCTGATGT GAATTCAGAT TTCCAATCTT CTCCTAGCCA ACCATTTTCC TGGA	ATNAAA 60 71	
15			
20	SEQ ID NO:2255 SEQUENCE LENGTH:69 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO2575 SEQUENCE DESCRIPTION:		
	GATCCAGAAG TTCTAAATCC AGGATTTTAA TTAGTAACTC AAATAAAATG CCAC	ACATTT 60 69	
25	TCATACAAA	03	
30	SEQ ID NO:2256 SEQUENCE LENGTH:69 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02576 SEQUENCE DESCRIPTION: GATCATAGTA GTGCCGCTGT TGAGTGATAA AGCAACTTGT CATTAAAGAT GTGTACATGGAAA	IGTNCAG 60 69	
35			
40	SEQ ID NO:2257 SEQUENCE LENGTH:69 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02577 SEQUENCE DESCRIPTION: GATCCCAGCC CAAATNNGCC CATTCACACA ATCAGGAGCN AAATAAATTA CTG'AACACTAAA	TTGTCTT 60 6:	-
45			
50	SEQ ID NO:2258 SEQUENCE LENGTH:68 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02578		

	SEQUENCE DESCRIPTION: GATCTTCAGC TGTTTGCCCG CAATGAAA	TNCTTATTAC	ATAAACTGAA	AACAGGATAA	AAACGGAGTG .	60 68
5						
10	SEQ ID NO:2259 SEQUENCE LENGTH:63 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02580	acid				
	SEQUENCE DESCRIPTION: GATCTGTCAA AGATATGAAC AAA	ATGAAAGAAC	AGCTTATTTC	AATAAACCCA	CTTTACATAC	60 63
15						
20	SEQ ID NO:2260 SEQUENCE LENGTH:63 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02581 SEQUENCE DESCRIPTION:	٠				
	GATCAAAAGT AAATGTTCTC	TTTGCCATTT	TAGATGGAAA	AAAAAAAA	ATTAAAAAGT	60
	AAA					63
25						
30	SEQ ID NO:2261 SEQUENCE LENGTH:86 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02582 SEQUENCE DESCRIPTION:	acid				
	GATCTACATG AAGGAACTGT	AGATGATGTA	TTTTTTTCAT	CTTTTTTGTT	AACTGATTTG	60
	CAATAAAAAT GATACTGATG					86
35	0.21	0.0.0.				
40	SEQ ID NO:2262 SEQUENCE LENGTH:60 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02583	acid				
•	SEQUENCE DESCRIPTION:	0.000 mmmmm + 1.00	1 T 1 OT 1 T 1	* * ***********	******	e o
	GATCCCTTTT TTATTTTGTG	GTTTTTTAAT	ATAGTATAAA	AATUCTTTTA	AAAAAAUAAA	60
45	SEQ ID NO:2263 SEQUENCE LENGTH:67 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
50	CLONE: HUMGS02585 SEQUENCE DESCRIPTION:					

	GATCAAAACA GGATTCCATT GACCTAATTA TATTAAGCTA ATAAACTAA TTTGAAA	TTTTTGAATT	60 67
5	SEQ ID NO:2264		
	SEQUENCE LENGTH: 58		
	SEQUENCE TYPE:nucleic acid		
	TOPOLOGY: linear		
10	CLONE: HUNGSO2586		
	SEQUENCE DESCRIPTION:		
	GATCAATATT TATTGACTTG TAGTAACTGC CACCAATAAA GCAGTCTTTA	CCATGAAA	58
	SEQ ID NO:2265		
15	SEQUENCE LENGTH: 55		
	SEQUENCE TYPE:nucleic acid		
	TOPOLOGY: linear		
	CLONE: HUMGS02588		
20	SEQUENCE DESCRIPTION:	****	ce
	GATCAATAGA CTGTACTTAT TTTCCAATAA AATTTTCAAA CTTTGTACTG	IIAAA	55
	SEQ ID NO:2266		
	SEQUENCE LENGTH:53		
25	SEQUENCE TYPE:nucleic acid		
	TOPOLOGY:linear		
	CLONE: HUMGS02589		
	SEQUENCE DESCRIPTION: GATCATTCTC AGTATCCACT GTCTATGTAC AATAAAGGAT GTTTATAAGC	4.4.4	53
30	GATCATICIC AGIATCCACE GICTATGIAC AATAAAGGAT GITTATAAGC	AAA	อง
	SEQ ID NO:2267		
	SEQUENCE LENGTH:53		
	SEQUENCE TYPE:nucleic acid		
35	TOPOLOGY: linear		
	CLONE: HUMGS02590		
	SEQUENCE DESCRIPTION:		
	GATCCATTIN ITITGTGAAT GTGCTAAATA AAAAGTGTTA INAATTGCTG	AAA	53
40	SEQ ID NO:2268		
	SEQUENCE LENGTH: 52		
	SEQUENCE TYPE: nucleic acid		
	TOPOLOGY: linear	•	
45	CLONE: HUNGS 02591		
	SEQUENCE DESCRIPTION:		
	GATCCTGCAT CCCACTCCCT GGGAGCCAAT AAAGTGCATT TTCACAGGCA	. <b>AA</b>	52
50	SEQ ID NO:2269		
30	SEQUENCE LENGTH: 50		

	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
_	CLONE: HUNGS02592					
5	SEQUENCE DESCRIPTION: GATCACAAAG TCAAAAACCC	ATAAGAAAAA	TTGAAAAAGC	TACAAGCAAA		50
	SEQ ID NO:2270					
10	SEQUENCE LENGTH: 50					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear CLONE: HUMGS02593					
	SEQUENCE DESCRIPTION:					
15	GATCATATTT TCTATTAAAG	TGGCTAACAC	CTGGCTACTC	TTACTGTAAA		50
	SEQ ID NO:2271					
	SEQUENCE LENGTH: 290					
20	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS 02612 SEQUENCE DESCRIPTION:					
	GATCTGTAAA TAAAATCAGT	GCACTGTGAA	TCACACCCAG	CCCCTTTCCC	TECTETETES	60
25	ATTAGGTGTC AAGACACCTA					
	TAAGGCTCCT CCCAACTCTC					
	CGCTGAGATA CTGGGGCTGT	AGTAGTATAA	AAGCTCACAG	TTCCTTCTGA	GTGCTGAAAA	240
	GAGTGCATGA GTTGCTTCGA	AATAAAAGGG	TCAAGCATTC	CTACCTGAAA		290
30	ADO ID NO CORO					
	SEQ ID NO:2272					
	SEQUENCE LENGTH: 556 SEQUENCE TYPE: nucleic	2014				
	TOPOLOGY: linear	aciu				
35	CLONE: HUMGS02627					
	SEQUENCE DESCRIPTION:					
	GATCTGTGCT TCCNACTCAC	ATGTNAGGCC	ACGCCATCCT	CTTGCTGAAN	CCCTATTGAT	60
	GCTTTCTAAC AGGTTCTCGT					
40	CCATCCACAG TGTACATTGG					
	ACTGACAGGT CAATATCTGA					
	ATTAGTTGTG CCTGGAGTAT GTTTTAAAGA GCCTTGAATG					
	GAGCTCTGGA AGGTTTAAAA					
45	CAAGCACTTC TGCTTTCCTT					
	TTTTNCNNNA TTTTCCCCTT					
	TTGNTCNCNT TTTAAA					556
	SEQ ID NO:2273					
50	SEQUENCE LENGTH: 527					

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	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear CLONE:HUMGS02628					
_	SEQUENCE DESCRIPTION:			•		
5	GATCTGAACA TCTGGCCCAA	CTCAACCATC	CC AT A T A CT C	CCCTTCCAAC	****	co
	CTCAAATGAC AGTAGCATTG					
	TCCCGGAATC CGAGATAGGG					
10	AGGAATATTT CCTCCATTCC					
	CTGGGGGTG GGGACGCCTG CTTCCATTTC GTTTAGCTGA					
	GTTNNCCNCA AAGCCCATGN					
	CCCAACAATG GATNTTNTTN				INCAAAGGCC	
15	CTTTNGAAAC TTGGNGGGAA	ANTTAATTNC	TNTNCCCTNG	NNGTGGN		527
	SEQ ID NO:2274					
	SEQUENCE LENGTH: 458					
20	SEQUENCE TYPE:nucleic	acid	•			
20	TOPOLOGY: linear					
	CLONE: HUMGS02629					
	SEQUENCE DESCRIPTION:					
	GATCAGCAGC CAATATGGGT	TTGTTTGGTT	TTTTTAATTC	TTAAAAACAN	CCTNTAGAGG	60
25	AATAGAAACA AATTTTTATG	AGCATAACCC	TATATAAAGA	CAAAATGAAT	TTCTGACCTT	120
	ACCATATATA CCATTAGGCC	TTGCCATTGC	TTTAATGTAG	ACTCATAGTT	GAANTTAGTG	180
	CAGAAAGANC TCAGATGTAC	TAGATTTTCA	TTGTTCATTG	ATATGCTCAG	TATGCTGCCA	240
	CATAAGATGA ATTTAATNNN	· · · ·				
30	CCATGACCCA GTGTCTAGAG	ACATTAATTC	TAACCAGTTG	TTTTGCTTNT	AAATGAGTGA	360
30	TTTCCATTTT GGGGAACAGG	TTTCAAATGG	ANTATATNTA	CATGGGTAAA	ATTCCCCTGT	420
	GCTAGTGTAG GNCTTTCCTN	GGGGAATGTT	TTATGGGN			458
	SEQ ID NO:2275		•			
35	SEQUENCE LENGTH: 452					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS02630					
	SEQUENCE DESCRIPTION:					
40	GATCGACTAC AAGCCAGCCC					
	GCATCCCCAG TCTTGAGGNT	CTCAATAGAA	AAGTCCACAA	CTTCCAGGCC	AAGCCCGCAG	120
	TGCCTACGTC TAAGCTGGGC	CAGGCAGAGG	GNCGAGATGC	AGGCTCAGCA	CCCTCCGGAG	180
	GGGACCCGGC CTTCCTGGGN	NTNGCCGTNA	NCACCCTGTG	TGGCGAGGTG	CCGCTCTACT	240
45	ACATCTAGGA CGNCTCCGGT	GAGCAGGGTC	AGTGGAAGCC	CCAACGGGAA	AGGAAACGCC	300
	CCGGGCAAAG GGTCTTTTGC	AGCTTTTGCA	GACGNGCAAG	AAGCTGCTTT	CTTCCCACAA	360
•	CCGNAGGACC AAAACCCTTG	GAGAAANTGN	GNAGNTTGGN	GGAGATGGAT	TTGGGAGTTT	420
	GGCAANAGGG TTGGACCCNA	NGNGGGCCCG	GN	•		452
50	SEQ ID NO:2276					

5	SEQUENCE LENGTH: 451 SEQUENCE TYPE: nucleic TOPOLOGY: linear CLONE: HUMGSO2631					
	SEQUENCE DESCRIPTION GATCTTGTTT ACTTTTGGAC CCTATGCCCT CAATCACAAT	ATCAAGCCCA AAGACCACCA	GATGACCAAC	ATCTTCCTAC	TGCAAATACT	120
10	TGCATTTCTC GACTTTACGT TTACTCGCCA TTAAGACCAA TGTGTAATAT TACTAGCAAA	GAATNTTGGC	NNNGTGTAGA	GTATAAAAAG	TGTGTATTGC	240
15	AAGTTAATGC TGTCATACCC TGCTGAGTTT ATAGCTTAAA	CCCTGGTGGT AGGCCTAAGG	ACCTTAAAGA GAGCACTAGC	GATAAANTGC	AGACATTCCT	360 420
	GGGTTTGCTA GGTCACCAAC SEQ ID NO:2277	TTTCCTGGGG	n			451
20	SEQUENCE LENGTH: 446 SEQUENCE TYPE: nucleic TOPOLOGY: linear CLONE: HUMGS02632	acid				
25	SEQUENCE DESCRIPTION: GATCCAGCCA GGCATCTCGG CTGTGTACAT GGAGTACCAC	CGCTTTGGCA				
	CTTCAAGCGC TTTAGGAAAT CACCCTTGTT GGAAAGGGNT	NATNCTTAGG TTTCAGCATA	CAGGGTACTT ACATTTTCCT	CGTTCAAGAC TCCACCTCTT	CGGCGCTTGG TGACCTTCCC	180 240
30	TCCAGCGTTG GCCAAATTGT GGTCATCTAG GGTTTTATAA GGGGTCATTT TCTGTATATA TGAATAAACA GATTNGGCCA	AGGAGGAGGA AANAATGTTA	GACAATATTT	NTTCAAACTT	TTTTGGGAGT	360
35	SEQ ID NO:2278					
50	SEQUENCE LENGTH: 425 SEQUENCE TYPE: nucleic TOPOLOGY: linear	acid				
40	CLONE:HUMGS02633 SEQUENCE DESCRIPTION: GATCCACACC TGACCCTGTT		AGGNTGGGCC	TTGGTCTGCA	CTGTAGCACC	60
	TNTGTTCTTT GAGTTCACAT	CATGAATGTG TNCTTCTATG	GTGACTTNCC ATATCCAAAT	AGNTACCATA TGGACTGACC	TCAGGCTTAA TCACTTCAAA	120 180
45	GTTGCTGTCC CATTTTGTCA CCAACTCTGT TGAAATTCTT GAGGCCCCCA GCCTAGTAAA	GCATAGAGCA GCCTAGTCTG	AACCTGTGCT TGTCTTCACA	CATTTTTAAG GTGCTGGTAG	TGGCATGGGA NATGNGTTTT	300 360
,	GTGTGTATAA ATATATGATA GGGCN	IAGGATTGAT	AAIAIGTTNN	CIAACGGCCA	IAIIATTGAA	420 425

SEQ ID NO:2279

	SEQUENCE LENGTH: 414					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	0010				
5	CLONE: HUMGS02634					
3	SEQUENCE DESCRIPTION:					
	GATCTGCCTT AACTCCAACT	TACATGTTTT	GGTCACTATT	ACAAACTGTC	ATCCCAGAAT	60
	GATGCTGCAG AGGCTAGGGC					
	AGTATTTCTT AGGAANNTA					
10	AAATGAGAAG TATTGTAATT					
	TAGTTTGAAA GANTCCAACT					
	TGAGACAGGA GCATAGCAGA					
	TGNTGTGATG CCATTACATC					414
•-	TUNIUTUNIU CONTINUNIC	IUMAAIAAIC	IGGGCCAINI	CAUCIUCIAA	LOON	414
15	SEQ ID NO:2280					
	SEQUENCE LENGTH: 293					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	aciu				
20	CLONE: HUMGS02635					
	SEQUENCE DESCRIPTION:					
	GATCTCACCT TCCTTCGAAT	TERETTERAG	A A A A A T C A A A	TTATCGTTCC	ACCACATAAA	60
	GACTATTTCC TGATTGTAAT					
25	GTCATTCCTT AATTTAATGC					
25	ACATGGCAGT CGCTTGGAAC					
	TCTNTNTCCC NCNCCAACGG			· · ·		293
	10111111000 11011001111000	/210000mara	140/100/11/00	1111110110110	7.01.	200
	SEQ ID NO:2281					
30	SEQUENCE LENGTH: 400					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS02637					
35	SEQUENCE DESCRIPTION:					
	GATCTGGCAG GGCACCACAG	CGCCCCCTAC	TGAACCATCA	GCATGTCAGT	GGCATTTAAA	60
	GCCATGCAGC TGGAGGGGCC					
	AGAGCCATGG ATGGAGCCCT	TGGGCTCTCT	GGGAAATGGG	AAATCAGCCA	AAGGACTGAG	180
	AAGGAGTTAC CTTAAGGTCA					
40	TCTTTATTCA ACCTCATTCC	CTTCTCCAAA	TAAGCCACTT	GTGTAGTTGG	GCCCCTCCAG	300
	GGTTGAAGGC AAGAGGAGAA	AGGCACAGCG	TTTGGGAAAC	AAGACTTTTC	CTGCAATAGC	360
	CTGGGGAAGG AATAAAANGG	ATAGAGGTGT	TTGGGGGAAA			400
45	SEQ ID NO:2282					
	SEQUENCE LENGTH: 400					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS02638					
50	SEQUENCE DESCRIPTION:					

	GATCTGTCCA ACGCCTGCAG	CGTGGATGTG	GAGGCGGACT	AATCAACNAG	TGCTCTGTTA	60
	TTATTTCTAC CCATCCCTTT	TCTCCATGCT	AATTTGCTTA	GAACTTTAAC	ATTGAATGGA	120
	CAGCAAATGT CATGTTCTGT	TTAATTATCA	CTCCTTGACC	ATTATGTTAA	TTTCTTTCCC	180
5	TAACAAGGTG ACGCATTGTT	TTAAGTAACA	ATGACCAACT	CATCTACTCT	TCTTCCAAAT	240
	TGTGTAAATT GAANGGGTAA	AATGTGGGAA	AACGCTAAAT	TTGAATGCTA	AATTTGAACA	300
	TTTCACACAA CCAATAATTT	TGAAATGCTT	CTTNGCAATA	TTATNGCGGT	TTCGGNACCA	360
	GGTTAAAAAT NNCTTTCATT	TTCAGGNCAT	TTTGGTCAAA			400
10						
	SEQ ID NO:2283					
	SEQUENCE LENGTH: 386					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
15	CLONE: HUMGS02639					
	SEQUENCE DESCRIPTION:	. T.C T.T.C.C	*************	1 TT 1 1 TC TT 1	1071017017	٥٥
	GATCGATAAT ATAATTTATA					60
	CTTCATATAG CNTTATAACT					
20	ACTTCCCTTG TAATGTTAGT CATGTTAACA TTTTGTCTAG					
	TTTTATTTTT GGGTTATACA					
	CTTTGGAGTT TTGTGGTTTT					
	GCCGTCNTAN TNCCNGCAGT		dilinchdid	UNATCONTRI	ATTROUTATE	386
25						•••
	SEQ ID NO:2284					
	SEQUENCE LENGTH: 384					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
30	CLONE: HUMGS02640					
	SEQUENCE DESCRIPTION:					
	GATCTNNTCA AACAGCAAAC	GCCCACAGAN	GGCCCAGAGG	NGGTGGTAAT	CAGGGTGTGT	60
	GGGTGNTTTT AGGGTTCTTT	AGTGTTGTTT	CTTTCACCCA	GGCGGTGGTG	GTCCCAGCCA	120
35	GTTTGGTGCT GACGGTGAGA	GGAAATNAGA	ATCTGTTTGC	AAATTGTCCA	ACCCACCCCC	180
	TCAACATGAG GGGCTTCCAT					
•	ATGTTCCTGA TATTAGTTCT					
	CCAGCACTTT AATGGCCAAT		TGTAAGAAAA	TTGATGCTGT	ACAAGGCAAA	
40	TAAAGCTGTT TATTAACCTT	GAAA				384
	SEQ ID NO:2285					
	SEQUENCE LENGTH: 383					
	SEQUENCE TYPE:nucleic	anid				
AE.	TOPOLOGY: linear	acru				
45	CLONE: HUMGS02641					
	SEQUENCE DESCRIPTION:					
	GATCTTTTCT ATAATATCCT	ACTACTTTGG	TTTTCCTAGC	TCCATACCAC	ACACCTAAAC	60
	CTGTATTATG AATTACATAT					
50	CTAGTTGGAA TCGTTTACTC					

5	AGCAGGCTTA TGTTTGGTGG GTAAACAGAT TGCTTCTAGA GGATTTGTAG CTTAATCACA AAANTTTATG GGCATTTAAA	TTGTTACAAA TTCTAGACTT	CCAAGCCTAA	GACACATCTG	TGAATACTTA	300
10	SEQ ID NO:2286 SEQUENCE LENGTH:424 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02642	acid				
15	SEQUENCE DESCRIPTION: GATCTAAAAT ACCTGGTGGC TGATGCAATG CATCCTAGAA AGTCTTGGTG TGTGTGGTCT TTGGACACTT GCAATAAAGA ATACACATTT GTCAGCATTT	CAAACTGGCC TACTCATCTN AATTTTATTT	ATTTGCNAGT CTAGTACCTT TANACCCAAG	TTACTCTAAA TAAGGACAAA TCTCCCTGGA	GACTAAACAT TCCTAAGGAC TTGATAATAT	180 240
20	GCAGCTTTGA ACTAGGGCTG GATAACTGGC TTTTTTCTTC CAAA	GGGTTGTGGG	TGCCTCTTCT	GAAAGGTCTA	ACCATTATTG	360
25	SEQ ID NO:2287 SEQUENCE LENGTH:378 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid		,		
30	CLONE:HUMGS02643 SEQUENCE DESCRIPTION: GATCCGAAGA GGAAGGGCGG GGGAACAAAC TAGCCCTNAA	GACGGGAATA	GTAGCCAAGA	AGCAGAAGNC	GGAGGATGAG	120
35	GTATTAACAA GTAAAGGTGA GCTCACCAGT GCGGTGACGA ACCTGCCCAT GGCCTGGGAC GACAGCTTTC CCTGAGAGGA TGGACGATTC TCCAAGGN	TGATAAAACT TCTCTGCGAT	CGGCCCCTGG GTACATAACT	TGAAATNACG ATTTAATGCA	CCCCTCCCCC GCGGCANGTC	240 300
40	SEQ ID NO:2288 SEQUENCE LENGTH:370 SEQUENCE TYPE:nucleic	acid				•
45	TOPOLOGY: linear CLONE: HUMGSO2644 SEQUENCE DESCRIPTION: GATCTTCTTG ACTATGCCAG AGTAATATGC CTTTGTTTAA					60 120
50	TATAATGAAN NNNNTAAGTA CTTGTGCTGT TTGCATAGGT ACACATTGTG ATTTTACATC	TCTCATTTTA ATACTCTATC	GGATTCTGAT TTGTGCTATC	TTACATAGGT TGCATAAAAT	ATCACTGTAA ATCCAAGTAA	180 240

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	GTTGATACTG ACTAGATTGG TGTACAAGCN	TGACGTGTTT	ATGTGTACCA	CTAGTGATAA	TGCACGGTCC	360 370
5	SEQ ID NO:2289					
	SEQUENCE LENGTH: 370					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
10	CLONE: HUMGS02645					
	SEQUENCE DESCRIPTION:					
	GATCACAGGA ACAGCAGGTG	ACAGGCCTAG	CTATAGTTAG	GAATACACAA	GCCGTAAAAT	60
	CGAGTCCTTA CAGCCATACC	ACAAGGTACG	TCCANNTGGA	CTACAAGAAG	AGCTTCCTTT	120
	AAAGTTCCTA TTTCAGCATA	AAGAGGCTGT	CCTTTTTTTT	NAGGAATAGT	TTGGACCTTG	180
15	TGCCTCCTGT GGGAGGCTGA	GGACTGCAAG	AGGAGAGCTA	GCAGATATGC	CTGTTCACCC	240
	CTCTCTGGTA CTTGTGGCTT	GCTAGTATGT	TTTNATGATA	ATCTCGGGCA	TTGTTTGCAT	300
	TTGTGTTTAT TAATAGGGTT	TTTGTTTTTT	GTTGTTTCCT	NTTTTNACAG	TAANGGCTGA	360
	ATTACATAAA					370
20			•			
	SEQ ID NO:2290					
	SEQUENCE LENGTH: 367					
	SEQUENCE TYPE: nucleic	acid				
25	TOPOLOGY: linear					
25	CLONE: HUMGS02646					
	SEQUENCE DESCRIPTION:					
	GATCTGAAAG GAATGCTAGA					
	CATGCNACAG GGGGAATGGC					
30	GCAGTCGGGT AGNCTGTGGG				-	
	AAACCGATGA AGCCTCCATA					
	CACACCTTAA CCAATGCTAT					
	TAATACATAT TTTTGGCATC	TTTTGGTTAC	CCATAGACTA	ATTAAANCTA	ATCCNNGGNT	
35	TTATAAA					367
	OTO ID NO GOOD					
	SEQ ID NO:2291					
	SEQUENCE LENGTH: 359	1				
	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
40						
	CLONE: HUMGS02648 SEQUENCE DESCRIPTION:					
	GATCCTGACA GAGCCCTGAA	CACATTATAT	CACTCCCCTA	CACCCACTCC	AAAGACGACT	60
	TGGAACTATA CAGTCAGGTT	•				
45	TGAAACATCA TTAATTGAAG					
·	TTGTGCTTTN GNNNNNCGA					
	TACAAATCCC TTGCCAGCAC					
	TGTATTCATG CACAATAATT					
	IIAIIAAA OAOAAIAAII	WINDWILL INC	Olulainill	"I GOOWIIGO	I'MI I I'MI	553
50	SEQ ID NO:2292					

. 55

5	SEQUENCE LENGTH:357 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02650	acid				
	SEQUENCE DESCRIPTION: GATCTGTGGG TCCGGCTGNA GGACAGGCAC ATCTCCACTG	AACTGCGGCT	CCNTCGCCGT	GGGCATTCCC	ACCACAGCCA	
10	GATGGTGGCC AGCAGTGCCT GGCTTTCCAA ACAGAGACAC CCCCTCGNAC TTNGAAGGAA TTGGGGCCAA TTCAAGAAGN	CGCTCCTGTA TGGGCATTNC	ACGACTGGAA NGTACTTCAA	GCACCAGGCT CATTCTGGGT	AAGNACCTNA CTAGGCCTTG	240
15	SEQ ID NO:2293 SEQUENCE LENGTH:355 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
20	CLONE:HUMGS02651 SEQUENCE DESCRIPTION: GATCCTTCTT TTTGGTTTTG ACTGTTTTAT CCATACAAAT					60 120
25	TTGGTATTAC TTGTGTTTTT AATGAAAATA TGGTGCCTTC CTGCTGCTGT GGAGTGATGA CACTTCTCAG TATATCCAGA	CCTCCCTCCA GATATGCACT	GGAAGACTGG TTACTCTTTA	CAAATATTNC AGATTCAGCA	CTTTTATTTA AAAAGCTTTT	240
30	SEQ ID NO:2294 SEQUENCE LENGTH:330 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
35	CLONE:HUMGS02652 SEQUENCE DESCRIPTION: GATCTTTTAC ACCACATCAC AAGGTGCTAG CTCCCTGATT	CAAAGAAATA	TTTCTCATGT	TTGTTCATTC	TAGTTTATAT	120
40	TTNCATTTAA AATCCTTTAG GACACAATAC TAATACTGTA GATTTCCTTT TGGGTGTATT TTTTCCTTAA AATAAAGACT	GGAATTGGTG TTGCTAAGTG	AGGCTTGACT AACCTTGTTA	TAAAACTTTC	TTTGTACTGT	240
45	SEQ ID NO:2295 SEQUENCE LENGTH:352 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02653					
50	SEQUENCE DESCRIPTION:		CTACTNTACA	ACATTCANAG	CCCACATCCA	60

5	TCTGTGCCAT TAAGCTTTTT ATTTGGGAAG TTGGAAAGAA TAGATAGAAT CAGCCCTCAC CAAAATTAGT AGACATNCAT TTTNGAAGGG ACTGTAGTTT	ATGACAAAAT TTGGTGCTTA GANGCACATN	CAGGGAGAAA TTACCAGTTA TTTAGGNCCA	ACATCCAAGC TTCANGGACA AAGGNTAGCA	TTCTTACCTG ATAACAACAA TCAACTTGTA	180 240
10	SEQ ID NO:2296 SEQUENCE LENGTH:351 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02654 SEQUENCE DESCRIPTION:	acid				
15	GATCGCAGCC GCTTCGCACG ACCCCTGCTG CCCGGGCCAG CCTGCCCTCA CCCAGACCTT CCCTTGAGCC AAGCTGTGGC	AGCCTGGGCA GNCTTCCTCC CACACCTTCC	CGCCTCAGGA TCTGTCCCTT CGCTCGTNTG	ACCCACCTTT CGTCCCCAGT CTGCTGCAGC	AGCCCCCATC NCAGACCACG GGCTGCCCTG	120 180 240
20	GACCTCAGTG GGAGGCGTGG TTTTTTCTAA GTGTGGGTTT					300° 351
25	SEQ ID NO:2297 SEQUENCE LENGTH:357 SEQUENCE TYPE:nucleic	acid				
20	TOPOLOGY:linear CLONE:HUMGSO2656 SEQUENCE DESCRIPTION:	<b>3014</b>				
30	GATCCCCGTT CCTGACATCA GACGAGATGG GAAGGCACAG TGCTGACTGT CCTNTCGNGT GGCTGAGCCA CTNTCTTCCC	GGAGAAGGGA NCAGCCNGTG	TAACCCTACA GCCTTGGCTT	CCCAGACCCC TTCTAGCCTA	AGGCTGGACA TTTACCTGCA	120 180
35	CACCNATAAT NCTNTCTGCC GTTTTCAGGG GCCATGGGTT	GANCCCTAGT	TCCCTCTGCT	CAGCCAAGGT	TTGTTATCAG	
	SEQ ID NO:2298 SEQUENCE LENGTH:344					
40	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02657	acid				
45	SEQUENCE DESCRIPTION: GATCAAATTT NAGTGGCTTT TGTGAGACCA GGTCTACCTT TCACAGTAGT GGGTGGCCCT	GGGACTGTTA	TTTAACTGAA	TCAGTTATTT	CCTTGAAATT	120
	NNGAACTACA AGACCCCCGG CACGGGGGTG GAGGGAGCCG CAAACACATA ATTAAAAGGA	GAGCCTGCCT	TGTGTTCCTT	TTTTGACTTG		

	SEQ ID NO:2299					
	SEQUENCE LENGTH: 462					
	SEQUENCE TYPE: nucleic	acid				
5	TOPOLOGY: linear					
	CLONE: HUMGS02658	•				
	SEQUENCE DESCRIPTION:					
•	GATCTGGTCC CTGAGAAACA	TATTGTGATG	AAGTGGAGGT	TTAAATCTTG	GCCAGAGGGA	60
	CACTTTGCCA CCATCACCTT				_	
10	GANGGTCGAG GCATCCCTGC					
	TACTTTGAGG GCATTAAACA					
	CAGGGGACTC CAGCCTGCTG					
	CTCACAGGAT TGCATCGNCC					
4.5	TATACCTTGG GTTTNTGCAT					
15	CTTTTAATGG TGTACATATN				domition	462
	CITTIAATOO TOTACATATA	IICTANATAIN	CATAATTIA	nn		702
	SEQ ID NO:2300					
	SEQUENCE LENGTH: 341		-			
20	SEQUENCE TYPE:nucleic	aaid				
	TOPOLOGY: linear	acru				
	CLONE: HUMGS02659	•				
	SEQUENCE DESCRIPTION:					
	GATCAACTTC CCACAAACTG	ACCAATCAAT	TCCACGAGCC	TOTTOTOAAA	ATNTCCACCT	60
25	AAGACAAACA CGTGCTCGTC					
	TTTGCTTTCG TCTTTTTTTG					
	GCTGTCTGGG GCTCCTGTTT					
	ATTATCTCAA TTGGNTTTAA					
30	ACAAGACACA CTNTNGTATT				ACIGITAGAA	341
	ACAMBACACA CININGIAII	AAAATTUUTT	UCAUIAACAA	A		741
	SEQ ID NO:2301					
	SEQUENCE LENGTH: 339					
	SEQUENCE TYPE:nucleic	aaid			-	
35	TOPOLOGY: linear	aciu				
	CLONE: HUMGS02660					
	SEQUENCE DESCRIPTION:					
	GATCHGTGGC AAAACCAAGT	GTGGTCTTTC	AGCTTCAGTG	TGTTAGCATC	CCACCACCTG	60
40	GGATGGGGTT TGTGGGCAAG					
	CACCGTGAAG CCAAATNCTA					
	GGAGGATGAT GTGGTGGGAC CTAAATTCAT AGCCGAGAGC					
				AAAIIIAAAA	IAAIIIICIA	339
45	AATTCTGTAT TTGGATATTA	UIUIIIAAGT	UUIAAIIIN			JJ 3
	SEQ ID NO:2302					
	SEQUENCE LENGTH: 441				•	
	. •	2014				
50	SEQUENCE TYPE:nucleic	aciu				
	TOPOLOGY:linear					

	CLONE: HUMGS02661					
	SEQUENCE DESCRIPTION:					
	GATCCAGGGG CTGCCTCTGC	CCTCTTAGGG	AGCAGAGAGC	AGAACTCCGC	AGCCCAGCCC	60
5	AGAGGAGTGT CACCTCCCAC	CTTTGGAGAG	GAATCCTTCC	CTCCCCTGGA	CAAAGTTGCT	120
	GACAAGCCCC TGAAGTGGCC	TCTCCATATT	CCAGCTGAGC	CTGAATCTGA	CTCTTGAGGG	180
	TTGGGGCTGC ACTTATTTAT					
	GGAGGAGAGC CTGAGGCCCA	AGCAGGACCC	GGGGGTTCCA	GCCCCTAGCT	GCTCTGGAGT	300
10	GGGGGAGGTT GGTGGACCAT	GGGAGTNCCT	GGTGCTGCCC	CTNAAGGTGG	GACCCAGGCG	360
	TTNTCAAGCT GTACCCTTTT		TTTGTGTTTT	TGAANATNNG	TGTCTNNTAC	420
	TANTTNTTTT AAATAAAAA	. <b>N</b>				441
	SEQ ID NO:2303					
15	SEQUENCE LENGTH: 336					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS02662		_			
20	SEQUENCE DESCRIPTION:					
20	GATCATGGCA TCCAAGACCA	GAGTCTCAGA	ACTCATTAAG	AAACAGTTTA	CTTGGAATGG	60
	AGAATACCCA TCTGTAATAC	AGGTCCTGTC	ATTTCATTCA	TCTCAAATTA	TTTTGAATTC	120
	TTCCCAAATG GCTGCTGGAT	TTAGGTGGTA	ATAGGGGCTG	TGGGCCATAA	ATCTGAAGCC	180
	TTGAGGAACC TTGGGTCTGG	AGAGCCATGA	${\tt AGAGGGAAGG}$	AAAAGAGGGC	AAGTCCTGAA	240
25	CCTAACCAAT GACCTGATGG	ATTGCTCGAC	CAAGNCACAG	AAGTGAAGTC	TGTGTCTGTG	300
	CACTTTCCAC AGACTGGNGT	TTTTGGTNCT	GAATAN			336
	SEQ ID NO:2304					
	SEQUENCE LENGTH: 363			•		
30	SEQUENCE TYPE: nucleio	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS02663					
	SEQUENCE DESCRIPTION:					
35	GATCAAGTNA CTTCTGCCCA	CCTGGACACA	ACACCAAAAA	GGCTTCTAAA	NACGGGTGTN	60
•	AGTCTTTTNA GCAACCCGGT	CCAGTACTGG	GAGATACAGC	CATCCACCTT	CANATGTGTC	120
	TACGTGCGCT CTGCCATTCA	ACTCGGAAAC	TATAAGTAAT	TCTNAAGAAA	GCCCTCATTT	180
	TTATAACCTG GCAAAATCTT	GTTAATGTCA	TTGCTAAAAA	ATAAATAAAA	GCTAGATACT	240
40	GGNAACCTAA CTGCAATGTG					
	ATTTCCTGTT TTAAGTAATN	GCCTTCAATT	NNNAAGNTAA	TTTTGGCCTG	NCCCANAAAT	
	AAA					363
	SEQ ID NO:2305					
45	SEQUENCE LENGTH: 232					
	SEQUENCE TYPE: nucleio	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS02664					
50	SEQUENCE DESCRIPTION:					
	GATCAGAGTT CCTCCTACT1	ACAACCCAGG	GTGTGAACAT	GTNCTCCATT	TTCAAGCTGG	60

	AAGAAGTGAG CAGTGTTGGA	GTGAGGGCTG	TAAGGCAGGC	CCATTCAGAG	CTATGGTGCT	120
	TGCTGGTGNC TGCCACCTTC	AAGTTCTGGA	CCTGGGCATG	ACATCCTTTN	TTTTAATGAT	180
	GCCATGGCAA CTTAGAGATT	GCATTTTTAT	TAAAGCATTT	CCTACCAGCA	AA	232
5	•					
	SEQ ID NO:2306					
	SEQUENCE LENGTH: 330					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
10	CLONE: HUMGS02665					
	SEQUENCE DESCRIPTION:					
	GATCTTAAGT ATAATTACAA	GGAAGAAGTG	AAGAAGAATA	TTCTCTTAGA	AGAGAAGGTA	60
	AAAAAACTTT CAGAACAATT					
15	TTTGAAGATG AAGAAGAAAG					
	TTTGTTTCAT TTAACTATTT					
	CTCCGAACTG TAGTATTTCC					
	TTAATAAATA GAATTATATG		011001/1001			330
	IIAAIAAAIA UAAIIAIAIU	AAATTTTOAN				-
20	SEQ ID NO:2307					
	SEQUENCE LENGTH: 328					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	acra				
25	CLONE: HUMGS02666					
25	SEQUENCE DESCRIPTION:					
	GATCGACTTA CTCAACATGA	GACAATTCAT	ACTGGTGTGA	ACCACANAAA	TGCAAAGAAT	60
	GTGGTAAGGC CTTTAGTCAT					
	AGAGACTETT AATGTAATGA					
30	ACTATTATNA TGCTATAGTG					
	GGCATCTGGC ACATCGTATT					
	TACTAAAAAT AAATCTTATA					328
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	0,0,00,00				
35	SEQ ID NO:2308					
	SEQUENCE LENGTH: 327					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	-				
	CLONE: HUMGS02667					
40	SEQUENCE DESCRIPTION:					
	GATCTCAGGT ATCAGACCAC	TGAGCAACCC	ACCGCCAGNO	TGCAGGCTTT	CAGAGGCCCA	60
	CCTGGGCCCA GCGTGGCCTG					
	GTGGGGCCTC TGGTAACCCT					
45	ACCTNNGACT GAGCAGCAGC					
	TTCCCCTTGC GNCAGTCCCT					
	CTAGGGTCTG GAAACTACTT					327
	SEQ ID NO:2309					
50	SEQUENCE LENGTH: 326					

5	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO2668 SEQUENCE DESCRIPTION: GATCCAGTTG TTATAGTGAA TCTATGTAGA TGAGTTGGTA GATTTGTAGA CTATTAAATA ACGACACGTT TTCGGTTTGT AATATAATTT AATGCAGGTT	CTCATGGTAA TGAGAATATA TACCGTATGC GACTACAAAT GTTTGAAGCA	TGGAATTTTT ATAAAGTAAG AGGTTAAAAA	AAGGGACTGT CCTTTAGCTC TAGATTTTAA	TTAAATCTTT TAAGGTAAAG TTTTATTAAA	120 180 240 300
15	TTGGTATAAT AAAAAGTTAC  SEQ ID NO:2310  SEQUENCE LENGTH:322  SEQUENCE TYPE:nucleic					326
20	TOPOLOGY:linear CLONE:HUMGS02669 SEQUENCE DESCRIPTION: GATCAAGAAG GAGCTAGAGA TGACTTAGAT GGGTCCAGGC	AAATAAACTA	AAAAGAAGTG	AAGGCAACAT	GTATCGTCTG	120
25	GCAGAACTAA ATCTTGGAGT ACTGCTCGGG TGATGGGTGC CCAAACACCA CCTGTACCCC CCTAGGAATG GACTACTGTA	GCTAAAGTCG AAAAACGAAA	CAGAAATCAC	TAAAGAACTC	ATCCATGTAA	240
30	SEQ ID NO:2311 SEQUENCE LENGTH:321 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02670	acid				
35	SEQUENCE DESCRIPTION: GATCTAAATT ACCTTGGGTT ACATTGNTTC ACTGGCGTCT CTTTATCTTG AAAAGTAATA	GTTTTCANTT TTTTTNATAT	TATACTTTTA TTTANCATTG	ATAACTCATC GACAGTGTTA	ACTGGTGGTA GCCAGTTGTA	180
40	ATGATGTATC AGANGTAAAG GTTAAATTAA TAGTAAANTA AACTGGTACA TTTCATTCAG	ATCCAATATA				
45	SEQ ID NO:2312 SEQUENCE LENGTH:319 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02672 SEQUENCE DESCRIPTION:	acid	·			
50	GATCGAAGGG TTTTTAGAGA					

	ATTTTTAAAA AATATGTCGT	AGAATTCCTT	CGAAAGGCCT	TCAGACACAT	GCTATGTTCT	180
	GTCTTCCCAA ACCCAGTCTC	CTCTCCATTT	TAGCCCAGTG	TTTTCTTTGA	GGACCCCTTA	240
·	ATCTTGCTTT CTTTAGAATT	TTTACCCAAT	TGGATTGGAA	TGCAGAGGTC	TCCAAACTGA	300
5	TTAAATATTT GAAGGGAAA					319
	SEQ ID NO:2313					
	SEQUENCE LENGTH: 327					
10	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS02673					
	SEQUENCE DESCRIPTION:					
	GATCGACAAA ACTTTGAACG					60
15	CTGATGAGAC AAGATGTGGT	GATGACAGAN	TCAGCTTTTG	TAATTATGTA	TAATAGCTCA	120
•	TGCATGTTTC CATGTCATAA					
	CATTGAAGGG AGATTGGCAC	CTAGTGGCTG	GGAGCTTGCC	AGGAACCCAG	TGGCCAGGGA	240
	GCGTGGCACT TACCHGNGGT		ATTCTTGTGA	GATGATAAAA	CTGGGCACAG	
20	CTCTTAAATA AAATATAAAT	GANCAAA				327
	SEQ ID NO:2314					
	SEQUENCE LENGTH: 313					
	SEQUENCE TYPE:nucleic	acid				
25	TOPOLOGY: linear					
•	CLONE: HUMGS02675					
	SEQUENCE DESCRIPTION:					
	GATCAACCAC ATGCACATCC	TTACTACAGA	ATCCGTCCTT	TCATTTCAAC	ATTATAGCAA	60
30	GCTATGATTT TNATATATAA	ATATTATA	AATNANGTAT	AANACATTAA	AAGTTAACTA	120
30	TGTAAGATAT TATNTCTGAA	ACAATTTAGC	TATATCCACT	ATGATTATAA	ACTGTGTCTC	180
	GACCTGTGTT ATNTACANAA	GCTGCTTAAA	AAAGCATTGA	GTTAATTTTN	TTAAATATCA	240
	ACTAAAATAT CATAGTTCTG	TGGNNGACAT	TGTGTTATAA	TGANATAACT	GCAACTAGAG	300
	AAANCTGTAT AAN					313
35						
	SEQ ID NO:2315	•				
	SEQUENCE LENGTH: 365					
	SEQUENCE TYPE:nucleic	acid				
40	TOPOLOGY:linear					
	CLONE: HUMGS02676					
	SEQUENCE DESCRIPTION:					
	GATCGAGGAC ATAAGGAACT					60
	NAGGACAATG AAGGCCAAAC					
45	GTAGAGCTGC TGCTCCAGTC					
	CCAGAGGAGG TGACAGGCTG					
	AAGGCTTAAT CAAAAGACTG					
	AAGAAAACTA CAGAAATAAT	ACTTCTTTTC	CACCCGTCTT	TGGTATGTAT	TGGCTTATAA	
50	AATTN					365

	SEQ ID NO:2316 SEQUENCE LENGTH:308	
5	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02677	
	SEQUENCE DESCRIPTION:	
	GATCCTGGAG CTGGCTGGCA ACGCGTGCGT NACAACAAGA AGACCAGGAT AATTCCCCGG	
10	CACCTGCAGC TCGCCATCCG CAACGACGAG GAGTTAAACA AGCTGCTGGG CAAAGTGACG ATCGCTTAGG GCGGCGTCCT GCCCAACATC CAGGCCGTGC TGCTGCCCAA GAAGACGGAG	
	AGTCAGAAGA CGAAGAGCAA ATNACCCTGA CGCCGNCCTC AGGGAGCTGN CTNCGNCANA	
	TAAGGCCCTT TTNATGGTCG TCCCGCAATG CTTTTGAATG TGCTGGNTGT CATGGAGGGC	
	CGGTGACN	
15	000.000	308
	SEQ ID NO:2317	
	SEQUENCE LENGTH: 306	
	SEQUENCE TYPE: nucleic acid	
20	TOPOLOGY:linear	
	CLONE: HUMGS02678	
	SEQUENCE DESCRIPTION:	
	GATCTAGATA ACTCATGACA TTTTATTTGA CCAACATAGC ACATGATGAG ATATCAAGGT	60
	AATTAAAATA GCATGCTTGA AAAAAAAATA CGTAATCTGT TTCACCTGTA ACTGTTTAAG	120
25	CCAATAAACT TTTCAAAATT TATGTAATGT GGGGCTTTTA TGTAGCACTT TACGTTTTCA	
	TGCTGCTTAT TGTTTTATTC TACTGAAAAA AATGANNTTC AAGATTCTCA ACTTTNTTAA	
	TTTCAAAAAT NGTTTATGGT TTTGACTATA GGAATACAAA ANTTCCTATT TNGGGNGAAT	300
	AAGAAA	306
30	OFO TR NO COLO	
	SEQ ID NO:2318	
	SEQUENCE LENGTH: 305	
	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
35	CLONE: HUMGS02679	
	SEQUENCE DESCRIPTION:	
	GATCCCCTGG CTCCCCAGCA CACATTCCTT TGAAATAAGG TTTCAATATA CATCTACATA	
	CTATATATA ATTTGGCAAC TTGTATTTGT GTGTATGTAT ATATATATAT GTTTATGTAT	
	ATATGTGATT CTGATAAAAT AGACATTGCT ATTCTGTTTT TTATATGTAA AAACAAAACA	
40	AGAAAAATA GAGAATTCTA CATACTAAAT CTCTCTCCTT TTTTAATTTT AATATTTTGTN	
	ATCATTTATT TATTGGTGCT ACTGTTTATC CGTAATAATT GTGGGGAAAA GATATTAACA	
	TCAAA	305
45	SEQ ID NO:2319	
	SEQUENCE LENGTH: 303	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
<i>E</i> 0	CLONE: HUMGS02680	
50	SEQUENCE DESCRIPTION:	

5	GATCGAAATC ACTATAATTT CTCCGAGGTG GAAGAGACTC GTTTTCCGAG GGGTCACTTC GGTGTCTATA TTCTTCTCTC GCAGTTTAAA TAACCGTTTC ATN	GTGCAATGGA CTTTGGCCTT AAAGAAACAC	GATTCTGGAA GAAAATAAAT CTCAACTGGA	GCCCTTTGTT GCGGAGACCC TAATTATGAC	GTGCGAGGGT TCGTGGGCCT TATCAAGGGA	120 180 240
10	SEQ ID NO:2320 SEQUENCE LENGTH:302 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
15	CLONE: HUMGS02681 SEQUENCE DESCRIPTION: GATCCCTGCT GAATCCACAG CCTTTCCTGA GGCCAACTCA TTGTGGATGT GTCTGCACCT	GGAAATNAAA	GGACGATTCT	AATTTCCACT	GCGGTTACTT	120
20	GGCTGCCCTT TAACTTCTTC AATATACACG TGAAATTTGA AA	TTCCCGTTTG	TTTGACAATG	CTCAGATGCA	TCAGTTCCTT	240
25	SEQ ID NO:2321 SEQUENCE LENGTH:301 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02682	acid				
30	SEQUENCE DESCRIPTION: GATCCAATTA AAAAAAATTA CTACTTGAGT TAGCATAATA TGANCTAATC TGATGTNAAC	CAGAAGTCCC	CTCTACTTNA	ACTTTTACAA	AAAAGTAACC	120
35	TTGACAAAAC CCACTGTTCT GAGTGGTGCT GCTTTAATTC A					
40	SEQ ID NO:2322 SEQUENCE LENGTH:345 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02684	acid				
45	SEQUENCE DESCRIPTION: GATCAAGCGG AAAGAGTTTA TCAGTGTTGT ACATAGCATA TGAAATGTTA AATACAATTN GCTTTATTTT NATAAATNAT	AAAACTCTGC CTGAAAGTAA	AGAGAAGTAT TGTTTTTTN	TCCCAATAAG CTATCATCTG	GAAATAGCAT GTATACCATT	120 180
50	ATATGCTATT TAAATAATTT ATATAANGTT TGCACACTGA	ANCAGGAAAT	ACTGCCTGTA	GAGTTAGTAT		

	SEQ ID NO:232	3					
	SEQUENCE LENG	TH:299				•	•
	SEQUENCE TYPE	:nucleic	acid				
5	TOPOLOGY: line	ar					
	CLONE: HUNGS 02	685					
	SEQUENCE DESC	RIPTION:					
	GATCTTTTCT AA		TACAATGAAA	AGAATAAAGA	GAAGATTTGA	ATTTNCAGTT	60
	TCATTTTCAA AA						
10	TTTCTCCAAA CT						
	CCTCGTATTA TT						
	CGTAGACCTA GG						
15	SEQ ID NO:232	4					
	•						
	SEQUENCE LENG						
	SEQUENCE TYPE		acid				
-	TOPOLOGY: line	-	•				
20	CLONE: HUMGS02						
	SEQUENCE DESC		+ maa + + aaaa	0000000000	*********	0000000000	
	GATCCCTCTG TA						
	AACTGTTTCA GA						
25	TGGATTTCCT CT						
25	ACTGGCCATT AC						
	CCATTGTTAC AG	GAGATTAT	AGGCTAGTCT	GTAATAAATT	ATCTTATAGC	AGCCAAA	297
	SEQ ID NO:232						
30	SEQUENCE LENG	TH:297					
	SEQUENCE TYPE	:nucleic	acid				
	TOPOLOGY: line	ar					
	CLONE: HUMGS02	687					
	SEQUENCE DESC	RIPTION:					
35	GATCAGCAGC CG	AGAAAAGT	ACATCAACAA	TCAGCTTGAG	AATTTGGTTC	AAGAATATCG	60
	TGCAGCTCAA GC	CCAGCTGA	GTGAGGCAAA	GNAGCGATAC	CAGCAGGGAA	ATGGAGGNGT	120
	GACGGAAAGA AC						
	AATGGAAGAA AA	GGGCAGCA	GCATGACTGA	TGGTGCTCCT	TTGGTGAAGA	TTAANCNNNG	240
40	CTTNNCANAA CT	GAAGCAAG	AANCTGTAGN	GATGGACATT	AGANTTGGCA	TTGTGGN	297
	SEQ ID NO:232	6					
	SEQUENCE LENG	TH:297					
	SEQUENCE TYPE	:nucleic	acid				
45	TOPOLOGY: line	ar					
	CLONE: HUMGS02	688					
	SEQUENCE DESC	RIPTION:					
	GATCCNACTT TA	GAAGCCTA	CTTTNTAACC	AAGGAGCTCA	ATTTTTTTT	TAAAGCTTTA	60
50	CTAATCTACC AN	AGCATTGT	AGATATTTTT	TTTTAACATC	TATTGTTTAA	AATAGATNAT	120

	TATAACGGGG CAGAGAACTT	TNTTTTCTCT	GCAAGAATGT	TACATATTGT	ATAGATAAAT	180
	NAGTGNCATT TCATACCATG	TATATATAGA	GATGTNCTAT	AAGTGTGAGA	AAGTATATNC	240
	TTTAATAGAT ACTGTAATTA	TAAGATATTT	TAAATTAAAT	ATTTTTTTGT	AAATAAA	297
5	•					
	SEQ ID NO:2327					
	SEQUENCE LENGTH: 324					
	SEQUENCE TYPE: nucleic	acid				
10	TOPOLOGY: linear					
	CLONE: HUMGS02689					
	SEQUENCE DESCRIPTION:					
	GATCCTATGT CTGTCTGTCC	ACCACGAGAT	GGGAGGAGGA	GAAAAAGCGG	TACGATGCCT	60
•	TCCTGACCTC ACCGGCCTCC					
15	GCCCCACGTC AAAGGTCAAG					
	TGGGGTCCTG GTCTGTNAGA					
	GAGCAGTTCC AAGACCACCN		TGTAAATNTT	GTTCATTNTA	ANTCAAATAC	
	AGCGTNTTTT TCANTTCTGG	GAAA				324
20		•				
	SEQ ID NO:2328					
	SEQUENCE LENGTH: 291					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
25	CLONE: HUMGS02690					
	SEQUENCE DESCRIPTION:				G	
	GATCTGCAGG GGTCTGGGAG					
	ATCTAAGTTC ACAGTGTTTC					
30	TAGGCCTGGC TCATTCTGCA					
	AATCTTCTTT TTCAGGCTCG					291
	CTAAAGTTGT AGTGAAGCTC	TCACCCATAA	IAAAGGIIGI	GAAIGIICAA	A	291
	CEA ID NA. 2220					
35	SEQ ID NO:2329					
35	SEQUENCE LENGTH: 290 SEQUENCE TYPE: nucleic					
	TOPOLOGY: linear	aciu				
	CLONE: HUNGS02691					
	SEQUENCE DESCRIPTION:					
40	GATCTAGAAT CTCTTTATGT	TCTCCAGAGG	AAGGTGGAAG	AAACCATGGG	CAGGAGTAGG	60
	AATTGAGTGA TAAACAATTG					
	GATTATAACT TCAATGGGAC					
	TCACATAATG CCAAATACAC					
45	TANAAGATGC TGTGTAGCTA					290
· <del>-</del>	utorio ididindoin					
	SEQ ID NO:2330					
	SEQUENCE LENGTH: 231					
	SEQUENCE TYPE:nucleic	acid				
50	TOPOLOGY:linear					

	CLONE: HUMGS02692 SEQUENCE DESCRIPTION:					
	GATCACTCCG CCTTNTCCTG	GGCTCCCGTA	GCACACTATA	ACATCTGCTG	AAGTGTTGCT	60
5	GTTGCACCAT ACTTTCTTGT	ACATTTGTGT	CTCCCTTCCC	AACTAGACTG	TAAGTGCCTT	120
	GCGGTCAGGG ACTGAATCTT	GCCCGTTTAT	GTATGCTCCA	TGNNNGGNCC	ATCATCCTGC	180
	TTGGNGCAAG TAGGCAGGNG	CTCAATAAAT	GTTTGTTGCA	TGNNGGGNAA	A	231
	SEQ ID NO:2331					
10	SEQUENCE LENGTH: 285					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS02693					
15	SEQUENCE DESCRIPTION:					
	GATCGCCTAC AAGCCAGCCC	CTGGCACCTG	CTGCTACATC	ATGAAGATAG	CTGCAGAGAG	60
	CATCCCCAGT CTTGAGGCTC	TCAATAGAAA	AGNCCACAAC	TTCCAGATNG	AATGCTCTCT	120
	GCAGGCCAAG CCCGCAGTGC	CTACGTCTAA	GCTGGGCCAG	GCAGAGGGC	GAGATGCAGG	180
20	CTCAGCACCC TCCGGAGGGG	ACCCGGNCTT	CCTGGGCATG	GCCGTGAACA	CCCTGTNTGG	240
20	CGAGGTGCCG CTCTACTACA	TCTAGGACGN	CTCCGGGTCA	TGTGN		285
	SEQ ID NO:2332	•				
	SEQUENCE LENGTH: 285					
25	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear			•		
	CLONE: HUMGS02694					
	SEQUENCE DESCRIPTION:					
30	GATCTAGAGG TTCCANTGCT	ATNCTCTCTT	CTTGTCTGAG	AGCCAGGACC	CTGGGGGAAA	60
	TAACGGGCAA AAAAGCACTT	TNAAGACAGA	TATAGTGGGA	ATTNATAAAC	GACTTGATAG	120
	AAACAGAAAT GAACTGTTTT	ATTTNATNCT	CTGAGGACTC	TGCTCATCAC	CCANTAGTAC	180
	CATTTCTTTT CTCAGAATGG	ATTCTTTCCC	CTATCTATCT	AATCATTAGA	GATGTAGCTA	240
•	NGAAATTACA TGTATGCATA	TGTNTAATAT	GTATATGTNT	ATGTN		285
35						
	SEQ ID NO:2333					
	SEQUENCE LENGTH:283					
	SEQUENCE TYPE:nucleic	acid				
40	TOPOLOGY: linear					
	CLONE: HUMGS02695					
	SEQUENCE DESCRIPTION:					
	GATCTTAAAG CTTTGAGCAC					
45	CCACATATCC ACAAACACAG					
45	AAGCAGTCAT TCTTGACGGC					
	ATAAACCCAG TGAACTCCTG				THEFTTTETC	
	TTAAAAGTAA AACCTTTCTC	AGTTTGAACT	IGTATTUTCT	AAA		283
50	SEQ ID NO:2334					
	SEQUENCE LENGTH-283					

	SEQUENCE TYPE:nucleic	acid				
·	TOPOLOGY: linear					
	CLONE: HUMGS02696					
5	SEQUENCE DESCRIPTION:					
	GATCTATTAA AAAGGTTAAG	AGGCCAGGTT	ACCCACCANT	CCTTGCACTG	TNCTGACACT	60
	TTCCCCAGGA GGAAAACAAG	TACAAAGGTT	ACGGTGGAGG	CATAAGTAGA	AGAGATTGTN	120
	AAGAAGGGTA ATTCATGTNT	CTTTGCTCTT	NCTGCTTTAT	GCCTCANTTT	GGTTTAAAAA	180
10	CTTCTNTACT GGCAAATGGT	GGTATTCAGT	GTGGGATAGT	GTCATAACTA	ATTTGACAAT	240
	TTATTAATGA TAAAATAACA	ATAAATGTCT	AGCTTTTACA	AAA		283
	SEQ ID NO:2335					
	SEQUENCE LENGTH: 283					
15	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	4014				
	CLONE: HUMGS02697					
	SEQUENCE DESCRIPTION:					
20	GATCACAAAA AAATCAGTCT	TTAAGCATTT	GCTTGGTAAG	GTTTCTTAAN	ATNAGGTTTA	60
20	TAATACAACC ATCTGTAATG	TATCTNTCGN	TTGANCTTGT	GGGCCATACA	ATTCATTAAC	120
	TAGATGNATA CATTGTGGAC	AGCATCCTCA	CTACCCCTCT	CTACTCACTC	ACAAAGAACC	180
	ATGATACACT GGAATGTTTT	TNTNTGGAAT	CCTCTTTCTA	CTCTTGTATT	AAAATTTTNC	240
	CCCACTTCAT GATTATATNC	AAAATAAACA	ACTACATCAT	AAA		283
25						
	SEQ ID NO:2336					
	SEQUENCE LENGTH: 282					
	SEQUENCE TYPE: nucleic	acid				
30	TOPOLOGY:linear					
	CLONE: HUMGS02698					
	SEQUENCE DESCRIPTION:					
	GATCAGCTTG CAGAGTCTTG					60
25	TAAATCCAGC AAAAAACAGC					
35	ATATTCAGAA GAAAACTTTG					
	CAAAATTGGT CAAAATGTAA				CITIAIGIG	
	CTGATTTCTT TGTATTCTGT	TCTCTGCATT	CATCATTCAG	GN		282
40	SEQ ID NO:2337					
40	SEQUENCE LENGTH: 284					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS02699					
45	SEQUENCE DESCRIPTION:					
	GATCTGTACC ACACCTTCCG					
	GCCTTTGTTA TGGAGACCTT					
	GCCCGAGCAG TGGTAACGGG					
50	GTCAATGTGC ACTCCTAGGC				CCCTGNCTCG	
	NTCCAGGTTT TTAGTGAAGT	AAACAGGTAT	TTTGGAAAGT	TAAA		284

	SEQ ID NO:2338					
	SEQUENCE LENGTH: 280					
	SEQUENCE TYPE:nucleic	acid				
5	TOPOLOGY: linear					
	CLONE: HUMGS02700					
	SEQUENCE DESCRIPTION:					
	GATCAACGAC AGCCTCCAGT					
10	NCTATGGCTG CAAGCCNTTC	AAGTGAAGCT	GGGCACTTAC	CCCCTTNATT	CCATTCTCCT	120
	CAGGATAACA GATTAAAATT	CCAGAAGTGT	GCACCTGTNG	TNTATTCAGG	AGATTNTCGT	180
	TNTGCATAAA GAGACCACTT	GAGGCCCTGT	AAGCAAAGAC	TAATTNGGTC	TNAGTCAAAA	240
	TCTTGGGAAT CTGATNAACT	AACACACTCA	AATGAAACTN			280
15	SEQ ID NO:2339					
	SEQUENCE LENGTH: 285					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
20	CLONE: HUMGS02701					
20	SEQUENCE DESCRIPTION:					
	GATCTGGAGC AGGAAGGCCT	CGAGGCACAC	AGGGGCTGCT	GGCCGGCGAG	TGGGCCCCAC	60
	CCCTCTGGGA GCTGGGCAGC	CTCTTCCAGG	CCTTCGTGAA	GAGGGAGAGC	CAGGCTTATG	120
	CGTAANTTCA TAGCTTCTNC	TGGCCTGGGG	TGGACCCAGG	ACCCCTGGGG	CCTGGGTGCC	180
25	CTGAGTGGTG GTAAAGTGGA	GCAATCCCTT	NACGCTCCTT	GNCCATGTTC	TNAGCGGNCA	240
	GNTTGGNTTT NNCCTTNAAT	AAATNTGCTT	TATTTNCTCT	TCAAA	,	285
	SEQ ID NO:2340					
30	SEQUENCE LENGTH: 320					
30	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS02702					
	SEQUENCE DESCRIPTION:					
35	GATCGTAAAC TTGTTGATAA	AGAAGATATC	GACACTAGCA	GCAAAGNAGG	CTGTGTCCAA	60
	CAGGCTACTG GCTGGAGGAA	AGGGACAGGC	CTGGNATATG	GCCATCCTGG	ATTGGCTTCA	120
	TCAGAGGAGG CTGAAGGCCG	GATGAGGGGC	CCCAGTGTTG	GAGCCTCAGG	AAGAACCAGC	180
	AAAAGACAGT CCAACGAGAC					
40	AAAGAACTCG ATTAAGNAAG	GNGNCAAGTT	CCATGGGATA	CAACCTACCT	CTTGTTTTGT	
	TTGTCTCTCC TTTTCTTTTN					320
	SEQ ID NO:2341					
	SEQUENCE LENGTH: 519					
45	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS02703					
	SEQUENCE DESCRIPTION:					
	GATCTGAAAG GAGCAAGGAA	CAGCAAGGAA	TTATTTTCCA	GAATGACACC	CGCAGCAGAA	60

	TGTTGGAGTG GAAATGATGG	CTGGCTATGA	AGAGGAGGTC	AACGTGTGTG	GTCTCCTCAG	120
	TCTCTGTCAG AGGGGTGGGG	AGGTGGGAAA	CAGGAATCCT	CTGCAAAGCC	CAATCTGCAG	180
	AGTCGAGACC CCTGGTGCTC	TCTGCCCCGC	TGCCTGGCAC	TGGTCCTTTG	CAGCCAGCCA	240
5	CCAACGCCC CCTTGCCCTT	NCAGAGGCAG	AAGCCTNCGT	CTNAACCTGC	ACCTCTGACC	300
	GTTTNAGCAC CNTTGGGTTN	TTACCANGTC	CTANAACTCT	GANATTTNTT	NGTTCTAAAA	360
	GGGGTTTCTA TTTCAACTTG	NTGAGTTTGT	NTTTTGGGNC	CTTCCAATTT	GGGNTACCTT	420
	GNTATNTTTN ATGGTTTTAT	AAATCCTTNA	CTCTTGGNAN	GTTTTAATTN	TTTACAAAAT	480
10	CAGGGATAAC TTTNGTTTNA	ANACTGGTTT	GAAGGAATN			519
10						
	SEQ ID NO:2342					
	SEQUENCE LENGTH: 272					
	SEQUENCE TYPE: nucleic	acid				
15	TOPOLOGY:linear					
	CLONE: HUMGS02704					
	SEQUENCE DESCRIPTION:					
	GATCCCAACT AATTTTACCG	AACCTAAAAC	CCACAAAGAG	GTTGTTTGTG	TTATTGTTCA	60
20	ATCTTCAGTT GTAAGAGTAA	TTCTCTATTT	TNATATTGAA	ACATAATTAC	TTGATAGCTC	120
20	AGGGTCTACA TTTCATTCAA	CTTTTTACAC	CAAATTCTGC	${\tt AGAGTGGTCA}$	AAATGGAATA	180
	TTGGGGGCTG TTGTAAACAG	AGGCTTAATT	TTATTAGAAG	TAGCCAGTTA	TTTATTAAAG	240
	CATGATGTTA ATAAAATAGG	CATATTCTGA	AA			272
25	SEQ ID NO:2343					
	SEQUENCE LENGTH: 272					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
30	CLONE: HUMGS02705					
	SEQUENCE DESCRIPTION:					
	GATCTGACAT GATTCCTTCC					
	GGTTTNAGTA GAGGCTTAGA					
	AGTCANNATC ATTAGGGGGA					
35	GATTGGGTGG GCAGGAAAAG			TAACTAGATG	GTGCTGAGAA	
	GCTTTTGAAT AAAAACTTTG	CTAAATGAGA	AA			272
	SEQ ID NO:2344 SEQUENCE LENGTH:273				•	
40						
	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE: HUMGS02706					
	SEQUENCE DESCRIPTION:					
45	GATCTTTCCC AGGCCGCACC	ል <b>ተተ</b> ታሮተህተሮ ል	CTCACATGGA	CCCAAGATAN	AAGAATGGCC	60
70	AAACCCTCAC AACCCCTGAT					
	TGATGGTGCC AGAGAGGGGC					
	GAGTTCTGTA CTTCAACCAG					
	ATTTAATGAT TAAAGACTGT			uni onu		273
50		2111 1 0 0 0 10 0				

	SEQ ID NO:2345					
	SEQUENCE LENGTH: 277					
	SEQUENCE TYPE: nucleic	acid				
5	TOPOLOGY:linear					
	CLONE: HUMGS02707					
	SEQUENCE DESCRIPTION:					
	GATCCATGAA GCTGCCCTGC	CCACGCCTCC	CCTCCCTGTA	GCAACACCTC	TGGGTGTTTG	60
	GAGTTTAGCT TTTGTGGGTT	TGCTCTCCCT	ATCCCATCTC	CTGTACTACA	CAGTTCATGG	120
10	CAGGGTGGGG AGNNGTGGGG	TTGGTTCGGG	TGGGTGAGGG	TCTTTTTCCT	CTGTGTGCGA	180
	TGTTGTTATC TGACAGNTCT					
	GGTACAAGCA ATAAAGACAC	TCATTTCAGA	CCAGAAA			277
15	SEQ ID NO:2346					
	SEQUENCE LENGTH: 431					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
20	CLONE: HUMGS02708	-				
	SEQUENCE DESCRIPTION:					
	GATCTTNCTA GGAGGGAGAC					
	CCATCCNTCC CCANTTCATT					
	AGATGGTGGC AGTAGAGGCT					
25	GTAGTTGTTT TTCCTGGCAC					
	TTGGAGTATT GGGGTCTGAC					
	TGTTTTNTCT CGGCTCCCCA					
	CCTCTTCGAG GGCAAGGGAC	CACACCCTGT	AACTGTTCTG	TGNCTTTTAA	CAGGTTCCTN	
30	CCATTAATGC N					431
	SEQ ID NO:2347					
	SEQUENCE LENGTH: 268					
	SEQUENCE TYPE:nucleic	acid				
35	TOPOLOGY: linear	acru				
33	CLONE: HUMGS02709					
	SEQUENCE DESCRIPTION:					
	GATCTTTTGT GTCTGGTTCC	TTTCACGTTG	AACGCTATTT	TTAAGGTTCG	TECCTETTET	60
	AGACCACAGT CACACACTGC					
40	ACTGTTTCCC TCTATCANNN					
	ACTGGTGCTT TGGATTCCCT					
	GNTAAAAGAA TGACCTTCCC					268
	070 ID NO 0040					
45	SEQ ID NO:2348					
	SEQUENCE LENGTH: 268					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
50	CLONE: HUMGS02710					
	SEQUENCE DESCRIPTION:					

5	GATCAGAAAC CAGTCTCCTT AAAGCAACAC AAATTTAATT CCTTGCCATC TTCCTCAATN CAGCTGCACC TCAGTGCTAA TGAATTAATA AAGGATGNNT	CCGTCACAGA AGCTGGAAGC GCATAGTGCC	ACTTGCCACT CCATTGGCAG	CTGTGCTGTG CAGGGACTGT	TCCTCTGTTT TTCTTGTTCA	180
10	SEQ ID NO:2349 SEQUENCE LENGTH:268 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO2711	acid				
15	SEQUENCE DESCRIPTION: GATCAGAAGC CATTTNATTT CTGGAAGAGG TCAGAAGATA ACTAATCTTG GACTTTTCCA AAGTTCAACC ATATTCTGTC	GCCATGCTAA CTCATTAGCT AACTGTTCAG	AATGCAATTA TTGTTNTGCC	TATCCTCATG CTTGTTTCCC	TTTATCCCAA TTGAAGGTTT	180 240
20	TATAACAAAC TGTTCGCTTA	AAIUUAAA				268
25	SEQ ID NO:2350 SEQUENCE LENGTH:398 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02712	acid				
30	SEQUENCE DESCRIPTION: GATCCGAGAA CGCTCTAAGC ACTTTGCGAA CGCTACGCCA GAAGCGCCGA GGGGCCAAAT	TGGTTTATGG	ATACAATNCT	GCCTATAATC	GCTACTTCAG	
35	CTGGCACCTG ATTTTGTATC AATGCTTCTT TCCTGTATAT GNTAAGTAAT NGAAAGTGCA TCCATAATAA AACTTTCTTG	CCCCTGTAGC TCTCTTGTCT CTGCAGTGAG	AGCATTACTG GGCTGCACCC GGTCAAAGGN	AAATACATAG CTTTTTCCNG	GCTTATATAC NCCCCAGATT	240 300
40	SEQ ID NO:2351 SEQUENCE LENGTH:381 SEQUENCE TYPE:nucleic			·		
	TOPOLOGY:linear CLONE:HUMGS02713 SEQUENCE DESCRIPTION:		<b>TO LOOPOTS</b>	C.AT.1TTTC.4.C	OTOTTOTO	co
45	GATCTGCAAG CATTTGCTCT CAAATGGCAA ATCATCAACT TGAAGTTGTA GATTGAGCTG AGTCAGTTGA ATATTTGTAC	AAANGCACTT AATAACCATG	GTTTCAAGTT GGAAGTGANC	TTGTTCTGCA AAGCAAAGAC	CTCCCACGAC ACTCGATTGG	180
50	GAATTTCCTC TAGCAAATAC GAGATGGCCA GAGGATAACA TTCAATTTGA GCAGTTGGTT	CTTGTCTCTT				

5	SEQ ID NO:2352 SEQUENCE LENGTH:265 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02714 SEQUENCE DESCRIPTION:					
10	GATCTGCCCG CCTTGGCCTC TTGAATTTTC TTATAATCCC TCTATCACCT TTGTATTCAC TGATTTACTC TGCTGTATAA GTGTTTCCTC TTATAATCCC	ATGAAACCAT CTGGAGCCTT TACTTTCCAT	CATCAGAGTC TATAAAGTTT	ACAATAATNA TTNTCTATGC	ATTTATCTAA AGACAACCAT	180
15	SEQ ID NO:2353 SEQUENCE LENGTH:265 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid .				
20	CLONE:HUMGS02715 SEQUENCE DESCRIPTION: GATCGGGGGC TTGAACCCAG GCCCCTCTCT AGTCATGGTC	CCCAAGAGGG	GCTTGGAGAC	CCACTTAGCA	GGTGAAAGCA	
25	ATGGCAGCCT TCCTTATTTG CCAATATGTG TATATTTATT AAAGCTTAAA TTATTCCATT	TATAAATATA				
30	SEQ ID NO:2354 SEQUENCE LENGTH:379 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02716 SEQUENCE DESCRIPTION:	acid				
35	GATCGGCGGA CGCCCATCAC TGGTTCCTTG GCTGGGATGA GAGCTGGCTG CCTGAGGAGG CTGTCCTTCC CTCAAAGAGG	TGATTACTGG GGCAGGGCCC	TCTGTGGACC ACCCATGTCA	CCTTGGACAG CCGGTCAGTG	GGCCATGGCT CCTTTTGGAA	180
40	TGTGTGTGTG TTGTTTCTTT TCAGGGNCCT TGAAAAATTN ACNTTTTGAG GGGTGNAAA					
45	SEQ ID NO:2355 SEQUENCE LENGTH:261 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO2717	acid				
50	SEQUENCE DESCRIPTION:					

5	GATCACAAAA CAATTCTAAA ACCTAACTGT TTTTACCATT GAAATTTAAA TTGTGATAAT 60 AGGTTTTAAA TGTCTAGAAT GCAACTGATA GGCTTTTCTT GAACTGTTAG TTTTTTTGAA 120 GTAGTTTTTT CATGTTTANN NNGTATTTGT AAAAAAACAA AAAGCAAAAA AATTCCCAAA 180 ACCCAGATAA CAACCAGAGC AAAACTGTTG TGCCTTCTAT TTATCTTTGA TTTCAGTCTT 240 GGCAATTGTT TAAAAAAAAA N 261
10	SEQ ID NO:2356 SEQUENCE LENGTH:259 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02718 SEQUENCE DESCRIPTION:
15	GATCATTGGA GAGAGAATTG CACAGAAAGT CCTGAAGTTT AAAACACTTT ATGACCAGCT 60 TTGGCTCGGG AGAGTGGGGC TGCTTGTAGA ACTGGAAGTG AATAACTTTT TCAAGCAATA 120 TCAGTGAGTG GGTCCCATCG ACAGGGTTCC AGGACCTGGA ACACTTTAAC AGAAGGAAAT 180 GCCGAAGCAG CTTGCACAGT NGCTTGACAG ACTTCCAAGN NGGCTGATTC TGGCTTCAAG 240 ATGGAGCCTT GGAGTTGGN 259
20	SEQ ID NO:2357 SEQUENCE LENGTH:296 SEQUENCE TYPE:nucleic acid
25	TOPOLOGY:linear CLONE:HUMGS02719 SEQUENCE DESCRIPTION: GATCTGGGAG TACACCAGGC AGCAGCTGCT CTCGNACGGA GATACCAAGC CATGATGTGC 60
30	CNNNNTTAGT GAACTGCTGC TGCTGTTCAG ACTTTTTTAA AAAAAACTAT TTGGACTAAA 120 GAAACAGATT CTGAAATTTA TTGTGATAAT TTGTATTTCT TTTTTCTTGC AATTTAATGC 180 CAAAAGTTTG CCATGTGCCT TAAACATATT ACTATATATT TNCCCCTTTA ATAAACACTT 240 TTNGTTAAAT TGTATTCTTC CTTTAATAAA ATATTTTAAG CAATTGTGGA AATAAA 296
35	SEQ ID NO:2358 SEQUENCE LENGTH:254 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
40	CLONE:HUMGS02721 SEQUENCE DESCRIPTION: GATCAGAATA CATGATGGAT GAAATTCTTT ACATGTTTTA GCAGAATNAA TTTGTTTAAT 60 ATAATAAAGT TTGCTACTTA TCTGTATGTA GGTTGCTAAA AANGATTTTC TTAACTCAGA 120
45	TTTTAAGCCA AATAACCATT TAACACTAGT ATTTGTTAAA TGGGTTATTT TNCTGTATTT 180 GTATGTTTCA CTATAATAAG GGAATTAAGG ATAATGTGCA TTGAGAATAT TTTGAAAANT 240 AATTGACTCA AATN 254
50	SEQ ID NO:2359 SEQUENCE LENGTH:253 SEQUENCE TYPE:nucleic acid

5	TOPOLOGY:linear CLONE:HUMGS02722 SEQUENCE DESCRIPTION: GATCAGTTAT AAGTAGCAGG TTTGTGTAGC TTTGCTCTTT CAGGGTCTGC AAGGTCTTTG GNAATAAATG TATCATAGNA TGTAAACTCA AAN	GGTAGAAAAG GTTCAGCTAA	GCTAGGTACA GCTAGGAATG	CAGCTCTAGA AAATCCTGCT	CACTGCCACA TCAGTGTATG	180
	CPO ID NO 0000					
15	SEQ ID NO:2360 SEQUENCE LENGTH:253 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02723	acid				
	SEQUENCE DESCRIPTION:					
	GATCAATCCC AAGAATCCAT	CAGCAACCTC	AGACCAACCC	AAGAAGATAA	TTTAAATCTA	60
	TACTGCTTAT TGGTCAATAT	ATTTGGTTCT	AGTATTAATA	AAGAAAAATG	TTATTAAAAT	120
20	AGCATACATA GTAGTAAAAT	AAANTACANA	AAGTGTGTTG	ATTTATAGCT	GTTTGAGATG	180
	ATAAAAGTGN AGCAAAGCCT	GTTAAATCAT	TGGAAGACTT	${\tt GGANANTTAT}$	TTTAAATAAN	240
	CAATTACATG TAN					253
25	SEQ ID NO:2361 SEQUENCE LENGTH:252					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
30	CLONE: HUMGS02724	•				
00	SEQUENCE DESCRIPTION:					
	GATCTGCATA AACAGGGTTC					60
	TTTGCTGTGT TTTGTTAGCA					
	TGCTGCCAAG AAGTTGCTCT TGTTTCTNTC ACTGGGCCTC					
35	ACCENACATA AA	CAACCAIGII	CCCTTCTTCT	INUCACCACA	ANIANIOAAA	252
	ACCOMMENTA NA					LUL
	SEQ ID NO:2362					
	SEQUENCE LENGTH: 251					
40	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS02725					
	SEQUENCE DESCRIPTION:					
45	GATCTTCTCA GCCAGGAGAA	GAGGGTGGTG	TTTTCACGCG	GGCAACTGCT	CGCCGGCCTA	60
	CATGGGGTTA ATTCAAGTCT		•			
	AGCCCTGTTC TCTTTGGGGT	-				
	TAAAAATGT AGCTAAAGCC	ACTATTTTTG	CTCTCCTTAA	GCTGTTCAAT	AAACCGGTTC	
	CTCATTTTAA A					251

5	SEQ ID NO:2363 SEQUENCE LENGTH:308 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02727 SEQUENCE DESCRIPTION:	
10	GATCTGGAAC ACTCCCCTGA CCCCTTCACA CCTGGCCCTC CCTGGGCTTA AAGCTCCTGA (TATTCCTCAT CCCCTTCCTT GTTTTCCAGA ATCGGTCGAG GTGGACGGTT TGGCCGTAAA 12 GGTGTGGCTA TTAACATGGT GACAGAAGAA GACAAGAGGA CTCTTCGAGA CATTGAGACC 18 TTCTACAACA CCTCCATTGA GGAAATGCCC CTCAATGTTG CTGACCTCAT CTGAGGGGCT 24 GTNCTGCCAC CNAGCCNCAG NCAGGGCTCA ATCTCTGGGG GGCTGAGGGA GCAGCAGGGA 30 GGGGTGGN	20 80 40
. 20	SEQ ID NO:2364 SEQUENCE LENGTH:245 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02728	
25	SEQUENCE DESCRIPTION:	30
30	SEQ ID NO:2365 · SEQUENCE LENGTH:249 SEQUENCE TYPE:nucleic acid	<b>1</b> 5
35	TOPOLOGY:linear CLONE:HUMGS02729 SEQUENCE DESCRIPTION: GATCTAACCA ACTCAACTGA TAGAAAGCTG AATTGTTCCC AGTGGACAAG TGGTATTTGA 6 TGTTTAGCAG GTTTTTTTGT TGTTATTTTT TTGGTAAACT CTGTGGTAAA ATCTAAAATA 12 ATGTTAAAAC CCTAAAAGTA ACTATTGANT ATNCTGTAAT CTTAGACATG TATTTTTCAA 18	20 30
40	GCTAACCCTT TGAAGAAATG TGTTCAAGGT AGGAAAATAT AAAATTTTTT GGTTATTTGT 24 AAATTTAAA	
45	SEQ ID NO:2366 SEQUENCE LENGTH:240 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO2730 SEQUENCE DESCRIPTION:	
50	GATCATGCAT TGTTGAGGTG GTCTGAATGT TCTGACATTA ACAGTTTTCC ATGAAAACGT .6 TTTATTGTGT TTTTAATTTA TTTATTAAGA TGGATTCTCA GATATTTATA TTTTAATTTN 12	

ATTITITCT ACCITGAGGI CITITGACAI GIGGAAAGIG AATITGAAIG AAAAATITAA 180

	GCATTGTTTG CTTATTGTTC	CAAGACATTG	TCAATAAAAG	CATTTAAGTT	GAATGCGAAA	240
5	SEQ ID NO:2367					
	SEQUENCE LENGTH: 251					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
10	CLONE: HUMGS02731					
10	SEQUENCE DESCRIPTION:	0 + 0 M D O M O D +	m. cmmcc.m.			
	GATCTATACT GTGTGGTCAT					60
	CAGTACCCTT AGGATACACT TTNTTCAAAC CTAAATAGGA					
	ACTTAGTTTG TTGGTCTTAT					
15	TNACTGNNAA A	UIAAAACAII	ddctcuuunt	AAAGIIIOACA	CIUNITIALI	251
			•			201
	SEQ ID NO:2368					
	SEQUENCE LENGTH: 239					
20	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS02732					
	SEQUENCE DESCRIPTION:		a			
25	GATCTGAAAA TTTATTTCAC					
	TINGTACCTA TCCAGAGAAA					
	GGAGAAAATN TATTTATAAT GAAGTATTAT TTTACTACCC					
	unnutritat titaciaccc	INIAAAAIUA	AICUAAAAIA	MINAMOTICI	INNUNIANA	233
30	SEQ ID NO:2369					
	SEQUENCE LENGTH: 239			•		
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
35	CLONE: HUMGS02733					
	SEQUENCE DESCRIPTION:					
	GATCAAATTA TCTTCAGCAT					
	TTTAAANTTC AATTTTTAT					
40	CGGAGGAGTT TAATAGTTAC					
40	TTCTTAAAAA GATTGAATCA	GIANATTICA	TITUAGCTAA	AAATGGAGTC	TAATATATN	239
	SEQ ID NO:2370					
	SEQUENCE LENGTH: 237					
4E	SEQUENCE TYPE: nucleic	acid				
45	TOPOLOGY:linear					
	CLONE: HUMGS02734					
	SEQUENCE DESCRIPTION:					
	GATCCACCCG CCTTGGCCTC					
50	GCCAGTGTTC TCTCTTAAAT	GTGTTTCAAT	ATGGTGGACA	TTTATTGAGC	ACTTGTGTTG	120

	GGCGTTTCAA CAGGAGGCAC CACTTTGCTT AACTTGTATA					180 237
5	SEQ ID NO:2371 SEQUENCE LENGTH:236 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO2735	acid				
16	SEQUENCE DESCRIPTION: GATCAAAAGA GCAAACAATA TGATAAANCC ATAACAATCT TGGCGTGGTA AGTNCCCAGT ACTGGGAGAG TACGGTTTCC	CCTCTGCTCT GCCCCTTTGG	GCAGGCAGGA TGGATTCAAG	ACANTNTGGG ATGTCTGGAA	NGAATTGCTA ATGGNAGAGA	120
20	SEQ ID NO:2372 SEQUENCE LENGTH:236 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02736 SEQUENCE DESCRIPTION:	acid .				
25	GATCCNATTC CCGTTGCCTC AAGGCGCCAT TGGCTTCCTG CTTCTGGCCT GAGCCAATGG TTAAACCCAT TTTCTCCCAT	GGACTCTGAG GGCATGTTCT	TCTGCCGGCC GTGACTGCAT	TCTTTTCCTG TTGCATCTCG	ACTCCAGTTT GATTGTGTTT	
30	SEQ ID NO:2373 SEQUENCE LENGTH:245 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
35	CLONE:HUMGS02737 SEQUENCE DESCRIPTION: GATCAGGCTG GTACAGGATG AGCACAGGGA AGAGAGAAGC ANTGTTTTCA AGAAGCTCTT ATGGCGGCTG GCCTGCTCAG	AGGACAAAGT GTATTTNTNT	AGCAGATAAA GCACAGTGTA	ATGCCGGCAA AATATCCTTG	AGCACAGATG CTATTTCAGG	180 240
40	CTAAA					245
45	SEQ ID NO:2374 SEQUENCE LENGTH:231 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO2738 SEQUENCE DESCRIPTION:					
50	GATCTGACTG CCTCCTTTCT GCTGGTTTGG AGTAGAATGG					•

	TGGTTTTAAA GCCAGAATTA					180
	CCAAAATGTA CTGTTAATGG	GTTTTTTTT	AAAATTAAAN	GATTAAATAA	A	231
5	SEQ ID NO:2375					
	SEQUENCE LENGTH: 236					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
10	CLONE: HUMGS02739					
.0	SEQUENCE DESCRIPTION:					
	GATCCACTGT GAGCACCAAC					60
	GTCACCGNCT GCCTGGCTCC CTTNGGAGCN NNTGGGTCTG					
45	CTCCTGGCTA CAGCAGGGNT					236
15	CICCIOGCIA CAGCAGGINI	CCAGGGACIN	CAAATAAATU	TICAGIGACI	UUCAAA	230
	SEQ ID NO:2376	•				
	SEQUENCE LENGTH: 235					
	SEQUENCE TYPE:nucleic	acid				
20	TOPOLOGY:linear	•				
	CLONE: HUMGS02740					
	SEQUENCE DESCRIPTION:					
	GATCGGTCAC ACAAGCTGTT GGACCACTGG CCCCACTTCC					
25	GGTGAGGGGG TCTTGNCCGT					
	ATTTCATGGG GACANCCCAG					235
		101101101101		u i dddii i i i	COMM	200
	SEQ ID NO:2377					
30	SEQUENCE LENGTH: 253					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS02741					
35	SEQUENCE DESCRIPTION: GATCGNAGGC TACCCTGGCT	CACTUACCAC	CTCCTC+CTC	<b>ጥ</b> ር ጥር ር ጥጥር ጥር	ምርር <b>ጥር</b> ምር ነርር	60
	AGCTGCAGTT GTTGCTGTTG					60
	CTGGCAGTNA TTTTCCAACT					
	ATTTAATGGT AATTGCCTGT					
40	CTTTNTNTAT NTN					253
	SEQ ID NO:2378					
	SEQUENCE LENGTH: 232					
45	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
,	CLONE: HUMGS02742					
	SEQUENCE DESCRIPTION:					
	GATCTGGGGT CCCAGTGTCA	TTGGTGAAGG	CCTTGGGATT	CGAGGCAGCT	GAGTCCTCAC	60
50	TGACCAAGGA TGCCCTTGTG					

	CCCAGTGAAG ACTTGGATGG TGTGAGCTCT ATAGACCATC					180 232
5	SEQ ID NO:2379 SEQUENCE LENGTH:232 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02743	acid				
10	SEQUENCE DESCRIPTION: GATCTCTGAA AAGNAGGTTT GAAATGTAAC AGAGCCACAG CCAGCAAGGG GAAAAGTATA CTCAGGCAGG CAGATGTGTC	CTCCACAGGC ATCTGGGGGA	CTGCACTCGG CCTTCAACCA	AGTCTGGGGC CTAAGCCTCT	CTCTGCAGAG TGTCAGAGCC	120 180
15	CICAGONGO CAGAIGIGIO	ACCOMMINA	ACAGIGATAI	IGICICCAGA	AA .	232
20	SEQ ID NO:2380 SEQUENCE LENGTH:232 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO2744 SEQUENCE DESCRIPTION:	acid				
25	GATCTNAGCT GGACAGAGGA ACAGTTGATG TCTAGATAGG GTTGGCCATG TGGCATCATT AAACCATGCT GTTTTTTCC	ACCTCAATNA GAGCAGCAGG	TTCCNTTAGA AGGCTGAAGG	ATCTNAGATA AGGNGAGAAC	CCAGGATATT AAAATTGTCC	
30	SEQ ID NO:2381 SEQUENCE LENGTH:236 SEQUENCE TYPE:nucleic	acid				
35	TOPOLOGY:linear CLONE:HUMGSO2745 SEQUENCE DESCRIPTION:					
	GATCTANGGA ACCAAACGGA GGAATACAGA ATACTCAAAT ATGTTACAAC AGAGATTTCT CTGTACATGT GAAATTATAT	AAAGTGCTTT TGGTGGTAGC	GTTATTATTT TATTTNGGTA	CAGAGGGAAT AAGGGTATAT	GGCGATTGAA GGNTATTTTT	
40	•					
45	SEQ ID NO:2382 SEQUENCE LENGTH:229 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO2746 SEQUENCE DESCRIPTION:	acid				
	GATCAAGTTT AAGTCAGTCA TACCAGACAG TGTTCTCAAC GAAATTCTTG GAAACTTCCA	TTGGTTAAGG	AGGAAGAAAA	CCCAGTCAAT	GAAATTCAAT	

	TGTACATTAG TGCATTAAAA	GATGAATTAT	TGAGTNCTTA	AAGATTAAA		229
5	SEQ ID NO:2383 SEQUENCE LENGTH:227 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUNGS02747	acid				
10	SEQUENCE DESCRIPTION: GATCTGATTT CAGATTTTC TATATTTTTG GTTCCATTNA TTAANTCAAT TAGAAAAGCA AGCTTGGGTA TTCAAATGTC	TGATTGTTTT ACATAAAATT	AAGCATTTGA AANTGATATT	CGNATAAGGA TAGGAAATCA	AAACTAACAA	120
15	CFO ID NO. 2204					
20	SEQ 1D NO:2384 SEQUENCE LENGTH:223 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02749	acid .				
25	SEQUENCE DESCRIPTION: GATCAAATNA CCTGTGAAGG AGGGGTCAGG NAGGCTAATG CCATAGGGNC TGCTCCCTCA AAGGAATACG TGCCTTTTCC	GTTGCTTTCC AAAAGGGAGG	TGAATGTTTC GGACAGATGG	TGGGGTACCA GNAGCTTTTN	ATACGAGTNC	
30	SEQ ID NO:2385 SEQUENCE LENGTH:221 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02750	acid				
35	SEQUENCE DESCRIPTION: GATCAGGGTT TNGGGTCTGT ACTTCCCAGA GAAGTCTTTG ATTCCTCTCC TNTCCCNTTG TCATCTNCTC TCCCTNCTGC	AGTAGAGAAT CCTNCCCTGT	CCTACTCAAA TGCCTTNTCT	TTTCACTGTA TCCCCTGATT	TATNTTAAGC	
40	SEQ ID NO:2386 SEQUENCE LENGTH:220 SEQUENCE TYPE:nucleic	acid				
45	TOPOLOGY:linear CLONE:HUMGS02751 SEQUENCE DESCRIPTION: GATCATGAAA ACAATGTAGG TAAAATGTTA TGTATTTGGA					
50	GGGGTGAATT CACANTGAGT				GCCATGTTAC	
50	TGTGCTTGGN GCCTTACCNT	TTGTATAGTG	AAATTTGCAN			220

	SEQ ID NO:2387 SEQUENCE LENGTH:220					
	SEQUENCE TYPE:nucleic	acid				
5	TOPOLOGY:linear CLONE:HUMGS02752					
	SEQUENCE DESCRIPTION:					
	GATCCGCCTG CCTTGGCCTC		GGAATTACAG	GCATGAGCCA	CTGCTCCTGG	60
	CCTAAGATGT TTTTTAAATA	ATGTTTTAA	CTAAATTTTA	AGAATGTTTT	TAACTAAAGT	120
10	TATTTATATT TGGAATAATT	CGTTAATGAT	TTGTGTCATT	TCCCCAACCC	CTTTTTAAAT	
	TTGTGAATTT GAGGACTGGA	TTAAAAGATA	AAAAGTTAAA			220
	SEQ ID NO:2388					
15	SEQUENCE LENGTH: 339					
	SEQUENCE TYPE:nucleio	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS02753					
20	SEQUENCE DESCRIPTION: GATCTAATTA ATAGCTGACO		CACACGATAG	ACACTECCAC	GTGCAAGGCC	60
	TGCCAGCCCC TCAGACGCAC					
	GTATTACTCT CTTAGCCCTC					
	TTAGACCCGC AGAGTGTCTT					
25	TGCTCTTGTT TTTAATACCA					
	CTNATAGCCT TTAGTGAACG					339
	SEQ ID NO:2389					•
	SEQUENCE LENGTH: 219					
30	SEQUENCE TYPE:nuclei	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS02754					
	SEQUENCE DESCRIPTION					
35	GATCCATGTG CAGTAATGC					
	AGCTTTCCCA GCCTCCTGC					
	GCCCAGGCTG TTTGGCGCT			CCCTGTTTCT	CIIGIAGCCA	219
	GTTACTAGAA TAAAATCAT	IACIIIAAAA	ICITICAAA			213
40	SEQ ID NO:2390					
	SEQUENCE LENGTH:219					
	SEQUENCE TYPE:nuclei	acid ·				
	TOPOLOGY:linear					
45	CLONE: HUMGS02755					
	SEQUENCE DESCRIPTION					
	GATCTTGACC GGGAAAAGG					
	GGTGGTGGTT ACATTTGTA					
	TACCTTGTTG TATGCATTT	r gccacttgtt	TTTTCAAAGC	AATGAAAAAG	TATCACTGCA	180

	ATTAGGTTTT AAATAAATTT	GTTTCGTTAA	CATGTCAAA			219
5	SEQ ID NO:2391 SEQUENCE LENGTH:218 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02756	acid				
. 10	SEQUENCE DESCRIPTION: GATCTGGAAT CGGGGTCAGC CCTCTTCCCA TGCTGGTGGC TCCGTCTTCC AGTGGCCGCT CCAAGTCCAG AATGACCTCG	CACCGTGTCC CTCTTTATAA	CTTGCTGCGG GAACCCTGGT	CTGCATCTTC	CAGTCTCTCC	
15						
	SEQ ID NO:2392 SEQUENCE LENGTH:217 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
20	CLONE: HUMGS02758 SEQUENCE DESCRIPTION: GATCCATTT TAATGGTTCA					
	GGGGAAAATA AATGAAAATT					
25	GAAGAAGTTA TCCAAAGTAC AAAAATGTTA GTGGTTTTCC			ATTTAATGTT	TTCTAAAATA	180 217
30	SEQ ID NO:2393 SEQUENCE LENGTH:216 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO2760	acid				
35	SEQUENCE DESCRIPTION: GATCAGAGGA ACTTTNAGGT ACACGTCCCC TGCCTCAACA GTTGTGTTGT ACTTCATGGC ACAAGTAATG TTTGAAATAT	GGCACAGCTC ACTCTGATGC	TCACAAAGCT CTGCTGTCTC	CTTCAAGCAT	GGAAGTGGGA	120
40	SEQ ID NO:2394 SEQUENCE LENGTH:215 SEQUENCE TYPE:pucleic					
	TOPOLOGY: linear	acid				
45	CLONE: HUMGSO2761 SEQUENCE DESCRIPTION: GATCCATTTC TACCTGCATT	TCCCAGAGGA	CTAGCAGGAG	GCAGCCTTGA	GAAACCGGCA	60
	GTTCCCAAGC CAGCGCCTGG					
	CTAACCCACT AGAGATTGCC					
	CCTCAATAAA TACTTCCTGC					215

	SEQ ID NO:2395 SEQUENCE LENGTH:214 SEQUENCE TYPE:nucleic	acid				
5	TOPOLOGY:linear CLONE:HUMGSO2762 SEQUENCE DESCRIPTION:			·		
	GATCTAAATG TAAAAGCAAA	TGAAAAATGC	ATGTNTTTT	NCCTGTCAAA	CATGTATACC	60
40	CTTATGTATA GAGACCAGTA					
10	AAAGCAGAAT ATGTAAAANT CCACTTGAAT AAAGGTGTGT			AGGAATGTNC	TTTTGTACTT	180 214
	SEQ ID NO:2396					
15	SEQUENCE LENGTH:212 SEQUENCE TYPE:nucleic	aaid				
	TOPOLOGY: linear	aciu				
	CLONE: HUMGS02764					
	SEQUENCE DESCRIPTION:	•				
20	GATCCAGAAA TTCAAACTTC					60
	GCAGGCCTGT CCTGGCCGGT					
	GCACCTAGAT GTCCCCAGCA CTGAACGAAC TAAGAGCTCC			ATCAAATGIC	AAGGAATTGA	212
25	CEO ID NO. 2207					
	SEQ ID NO:2397 SEQUENCE LENGTH:212					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
30	CLONE: HUMGS02765					
	SEQUENCE DESCRIPTION:					
	GATCTATTAA AGTGTCAACT					60
	TGAGTTTNCT ATAGAAAATT					
35	TTAATGAAGG CTTAGGGTGN GAATATTAAA GGACTTTGAA			TACATTACAT	GATGAATGGT	212
	UMINITAAN UUNCIITUAN	CATTITATIA				212
	SEQ ID NO:2398					
40	SEQUENCE LENGTH: 213					
40	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE: HUMGS 02767					
	SEQUENCE DESCRIPTION:					
45	GATCGAGAAG CTGCTCAATT	ATGCACCCCT	GGAGAAGTGA	CCACGCTGAA	ACCCACCCAC	60
70	CCGCTGTGCT GACCATGGGC					120
	GGGAGCTGGC GTAATGCCTG	GCCGCAGTGT	GTGTGTATCC	CATACCCCAC	TCTGGAAGGA	180
	ACCATCCAGT AAAGGTCTTT	CAGAACCACT	AAA			213
50						

	SEQ ID NO:2399					
	SEQUENCE LENGTH: 211					
	SEQUENCE TYPE: nucleic	acid				
5	TOPOLOGY: linear		•			
J	CLONE: HUMGS02768					
	SEQUENCE DESCRIPTION:					
	GATCAGAGAT GCACCACCAA	GCCAAGGGAA	CCTGTGTCCG	GTATTCGATA	CTGCGACTTT	60
	CTGCCTGGAG TGTATGACTG					
10	CTCATCTGCT GGTCCGTGGG					
	ACAATAAACG GTACTTGTCA				,	211
	SEQ ID NO:2400					
**	SEQUENCE LENGTH:211			•		
15	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS02769					
	SEQUENCE DESCRIPTION:					
20	GATCAGACAC CCCTTCACGT	GTATCCCCAC	ACAAATGCAA	GCTCACCAAG	GTCCCCTCTC	60
	AGTCCCCTTC CCTACACCCT					
	CGCCATGGGA GTGTGCTCAG					
	AATCTCCAAT AGAGGACTGA					211
25						
25	SEQ ID NO:2401	•				
	SEQUENCE LENGTH: 206					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
30	CLONE: HUMGS02770					
•	SEQUENCE DESCRIPTION:					
	GATCACCTAC TTACTGTATT	CTACATTATT	ATATGNCATA	GTATAATGAG	ACAATATCAA	60
	AAGTAAACAT GTAATGACAA	TACATACTAA	CATTCTTGTA	GGAGTGGTTA	GAGAAGCTGA	120
35	TGCCTNGNTT CTACATTCTG	TCATTAGCTA	TTATCNTCTA	ACGGTTCAGT	GTATCCTTAC	180
	AGGAATAAAA GCAGCATNTG	GNTAAA				206
	SEQ ID NO:2402					
	SEQUENCE LENGTH: 205					
40	SEQUENCE TYPE:nucleic	acid ·				
	TOPOLOGY: linear					
	CLONE: HUMGS02771					
	SEQUENCE DESCRIPTION:					
45	GATCGAATGA AGGATTCAAA	ATTAACCACT	CCAAGGGGGG	ATTGAAGGAA	GAACCACTCT	60
	TAATGGACAA AAAGAAAGAA	AGGGGAGGGA	GTAACAGGGA	TATNAGCTCT	AGCCGCCCAA	120
	GCTAGCAATG GCAACCCTTC	TGGGTCCCCT	TCCAGCATGT	GGAAGCTTTC	CTTTCGCTTC	180
	ATTCAATAAA CAGCTGCTGC	TCAAA				205

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SEQ ID NO:2403

5	SEQUENCE LENGTH:228 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02772	acid				
·	SEQUENCE DESCRIPTION: GATCTATAGA CATNAGGAAG CCATTCCCTC TNCTTCTCTC CACCATCTTT NTTGGCCTCT	TCTCTCTCTC	TCTCTCCCTC	CCTCTCCTTC	CCTACCCTCT	
10	CACTCTCTAC GTAGCCACTC	TCCTTCCCCN	ATTTNTGNGT	CCACCONN		228
15	SEQ ID NO:2404 SEQUENCE LENGTH:273 SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear CLONE:HUMGS02773 SEQUENCE DESCRIPTION:	ተህማምር 4 ምርጥም	TCTCC+T++C	<b>ጥጥ 4</b> ሮ/ምሚያቸው 4	COACTATACO	60
20	GATCTAGCTA GGGCTTTGTC TGGGATATAC ATNTATCTTG					
	AAACAGGCTG GACAAATGAC					
	TTCCTGTCCC AAACCCNCAC	ACAGAATNCT	CTGNCTGNGG	TTCATGTNGA	AACTGAGCAA	240
•	AAACTANAGT ATCTNTCAAN	ANGTGTAACN	TGN			273
25	SEQ ID NO:2405 SEQUENCE LENGTH:203	•				
	SEQUENCE TYPE:nucleic	acid				
30	TOPOLOGY: linear					
30	CLONE: HUMGS02774 SEQUENCE DESCRIPTION:					
	GATCCACCTC ATATGTGAGT	CCGTCCAAAA	GATGTTACTG	CTCTGGGTGG	GCCAGTGTTC	60
	TATATCGGTT ATACTAACTT					120
35	TAAAAAATAA AAACAACAAG	TTGTCTAAAA	TGCAACAGCT	TTTATAGTAA	ATGTACATTT	180
	ATAAATAAAA TACTCAAATC	AAA				203
	SEQ ID NO:2406					
	SEQUENCE LENGTH: 203					
40	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS02775					
	SEQUENCE DESCRIPTION:					
45	GATCTCTGAT GGATTTGTTG					
	AACGCTAAGC CAGGCTGGAG GAACGTNACC TCGACGTCTG					
	ATAAAAGTNA GTCTGACAGG		COCITINUCI	ANININA	CAGINOTIUA	203
50	CTO ID NO. 2407					
	SEQ ID NO:2407					

	SEQUENCE LENGTH: 205					
	SEQUENCE TYPE: nucle					
	TOPOLOGY: linear					
5	CLONE: HUMGS02776					
3	SEQUENCE DESCRIPTION	N:				
	GATCTGAATG TGAATTTC		ACGTTAATGT	TTTAAAGCTA	TAACAAAGTT	60
	TAAAATTTCT ACTTTTTG					
	GTATGTGGAT GGGGAAGT					
10	AATTCTATAT TAAAGAAA					205
	SEQ ID NO:2408					
	SEQUENCE LENGTH: 201					
15	SEQUENCE TYPE: nucle	ic acid				
	TOPOLOGY: linear					
	CLONE: HUMGS02777					
	SEQUENCE DESCRIPTIO	N:				
	GATCCCAATC TGAGAAAA	GG CAAAAGAATG	GCTACTTTTT	TCTATGCTGG	NGTATTTTCT	60
20	AATAATCCTG CTTGACCC	TT ATCTGACCTC	TTTGGAAACT	ATAACATAGC	TGTCACAGTA	120
	TAGTCACAAT CCACAAAT	GA TGCAGGTGCA	AATGGTTTAT	AGCCCTGTGA	AGTTCTTAAA	180
	GTTTAGAGGC TAACTTAC	AG N				201
25	SEQ ID NO:2409					
	SEQUENCE LENGTH: 200					
	SEQUENCE TYPE:nucle	ic acid				
	TOPOLOGY:linear					
••	CLONE: HUMGS02778					
30	SEQUENCE DESCRIPTIO	N:				
	GATCTTTAAC TGCCTGCT					60
	TAGAAATATT TTAATGCT					
	CGAGTTTAAG ATNCTCTA		TAGCTTCCAA	AAAATTTAAA	TGTAATAAAA	
35	TATATGTTTG ACACTCTA	AA			•	200
	SEQ ID NO:2410					
	SEQUENCE LENGTH: 198			•		
40	SEQUENCE TYPE: nucle	ic acid				
<b>70</b>	TOPOLOGY: linear					
	CLONE: HUMGS02779			•		
	SEQUENCE DESCRIPTIO					
	GATCAAAACG CTCCATCT					60
45	CAATAGATTT TCAAGTGT					
	ACAGTATTGA GGTCANNN		TTTCANTNAG	ICTAGGTTTA	GGCCCTTGTA	
	CATNTTGCCC ATAACTNN					198
	SEQ ID NO:2411					
50	SEQUENCE LENGTH: 198					•

	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02780	acid				
5	SEQUENCE DESCRIPTION:				1800011800	~~
	GATCTGCCCA TTGCTGAAAC					
	ATCTGTCCAC TCAGAAGTTA					
	ATATATGTAT TTACAATNAC	TATAACCTCT	TUCTUAATTA	ACCCUINTIA	CCATTAIGIA	198
10	ATAAACTTAT TTCCCAAA					130
	SEQ ID NO:2412					
	SEQUENCE LENGTH: 198					
	SEQUENCE TYPE:nucleic	acid				
15	TOPOLOGY:linear					
	CLONE: HUMGS02781					
	SEQUENCE DESCRIPTION:				•	
	-GATCTTGAAT CACTTGACAG					60
20	TAAAAGAAAT NATCCAAAGG					
	AAAAAAAGAA AATTGGGCTC	TNTTCTAATC	CAAAGGGTAT	ATTTNCAGCA	TGCTTGACTT	
	TACCAATNCT GATGACAN					198
	SEQ ID NO:2413					
25	SEQUENCE LENGTH: 359					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS02782					
30	SEQUENCE DESCRIPTION:					
	GATCCAAAGT AACTAAACAG					60
	CTCCACCAAA ACCTGAACCC					
	AGATTAGCAG AGGTGCTAAA					
	CAGAAAACTG NTTCTGTAGA					
35	ATTITTTGT NTGTCTTGGG TTGGTTTTTT TTTTAGGGNT					359
	IIIIIIIIII IIIIAUUUNI	CINCIIUIIU	GCATHCUUNA	· ·	dilidanca	303
	SEQ ID NO:2414					
40	SEQUENCE LENGTH: 198					
40	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS02783					
	SEQUENCE DESCRIPTION:					
45	GATCCCAGGG GTGCACATGG					
	CTGCACCCCT GCAGTCTTAC					
	CTGCACCGCG GGCTCCTNAG	TCGGCAGATT	AAGCATTTNA	LAAATTUTAT	LILAAATACA	
	TGTTTTAAAC TTGTCAAA					198
50	SEQ ID NO:2415					•

	SEQUENCE LENGTH: 167					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
5	CLONE: HUMGS02785					
	SEQUENCE DESCRIPTION:					
	GATCCCATCC ATCAGCTCCC	TTTTCTTTT	CCCTTGAACT	GTTCTGGCCT	CAGACCAACT	60
	CTCTCCNNNN NTAATCTCTC					
	AGAGCCCCCC ACAATGATGA					167
10				00,0,0		
	SEQ ID NO:2416					
	SEQUENCE LENGTH: 196					
	SEQUENCE TYPE:nucleic	acid				
15	TOPOLOGY: linear	acru				
75	CLONE: HUMGS02786					
	SEQUENCE DESCRIPTION:					
	GATCTGTGAT TGGNTGGTTA	ATGGGAAACG	GTTTTTTNCT	TTGGCTGCAG	GTGTTCTGCT	60
	GATATCAACA GCTTCCCTAT					
20	ATTTNACTTG AAAAGAAAGA					
	GCTGCTGCAT TCTAAA	121001213130	0011100/011	ATTIMITA ON	O/BBIG/BIG11	196
	0010010011 1011001					130
	SEQ ID NO:2417					
25	SEQUENCE LENGTH: 194					
20	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	2012				
	CLONE: HUMGS02787					
	SEQUENCE DESCRIPTION:					
30	GATCACAGAT TTCCCTGCCA	GGGTGTCTGT	GGTTATCAGC	TGCAGGCTCA	GCTNGGGTCG	60
	GCCGNTTCAC ACAAGCCACT					
	TTCCTTCCCC TCCATGTCAT					
	GTTGAATGCT CAAA					194
35						
	SEQ ID NO:2418					
	SEQUENCE LENGTH: 193					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
40	CLONE: HUMGS02788					
	SEQUENCE DESCRIPTION:					
	GATCTTCCTA CGCACAACAC	AAACGTCAGT	TAATGTTCCA	TCCATGCTGC	TTAAAGAGCA	60
	TTCCTGTCCT AGTAAAATGG	GCAAGTCCCT	CTACCCCCCA	CCCTCACCTG	GTATGCTTAC	120
45	ATTAATAGCT AAAGTCAATC	CTGTAATGAA	ATAAAGCAAG	TGGTAGCTGT	CTGGTAGCCT	180
	CCACTACTGC AAA					193
	SEQ ID NO:2419					,
	SEQUENCE LENGTH: 193					
50	SEQUENCE TYPE: nucleic	acid				

	TOPOLOGY:linear CLONE:HUMGSO2789 SEQUENCE DESCRIPTION:					
5	GATCAAAACC CAGCAGAGTG	CAAGCAGCAG	TGAAGCAGGA	TGTATGTGGA	CTTGAGGATA	60
· ·	ACCTGCACTG GTCTACCTTC	TGCTTCCCTG	GAAAGGATGA	ATTTACATCA	TTTGACAAGC	120
	CTATTTTCAA GTTATTTGTT	GTTTGTTTGC	TTGTTTTTNT	TTTTGCAGCT	AAAATAAAA	180
	TTTCAAATAC AAA					193
10	SEQ ID NO:2420					
	SEQUENCE LENGTH: 192					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
15	CLONE: HUMGS02790					
•	SEQUENCE DESCRIPTION:	1 T 1 C T C T 1 1 T			*****************************	^^
	GATCAGACCT CAATAATTTT					60
	TNACAATCAT TTCATTTTGT GTAATGTTCA TATTCAATAT	•				
20	GACATGACCA AA	CITACAGIGA	IACAGIIIIG	INITIACATA	IAAAIAIACC	192
	UNCATURCCA AA					134
	SEQ ID NO:2421					
	SEQUENCE LENGTH: 276					
25	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS02791					
	SEQUENCE DESCRIPTION:	0000100000	mmmm		********	^^
30	GATCAGGGTT TCAAGAATGA					60
30	GAGGTTTCCC AGAGATATAG					
	AAAATTGAAC AAGTTTATTG TAAAACATGA NTTGTAGTTA					
	TATTTTCACA CGTNNCTTTN			AUIIUIAIII	UUNUTTAANT	276
35	INTITIONON CUINNOTTIN	TITOATOGAN	MACCON			210
33	SEQ ID NO:2422					
	SEQUENCE LENGTH: 191					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
40	CLONE: HUMGS02792					
	SEQUENCE DESCRIPTION:					
	GATCTTTTAT TTTCTCATTA					60
	ATTAACTTGA GTGACCTGTG			_		
45	GACTITTACT TITTATTACA	TAAAAATATT	AAAAAATAAA	TAAAAAAAAT	AAAATTTTAA	
	ACTAACTTAA A	•				191
	SEQ ID NO:2423					
	SEQUENCE LENGTH: 189					
50	SEQUENCE TYPE:nucleic	acid				

5	TOPOLOGY: linear CLONE: HUMGS02793 SEQUENCE DESCRIPTION: GATCGGAATG CGGGGTCGAG CGGCACCTTT GGCACATTCA AACTACATCT GTCCCTNCCC GTAGTCAAA	TGGCCATTGG	GATGGGCATC	CGATGCTAAC	CATGGTTGCC	120
10	SEQ ID NO:2424 SEQUENCE LENGTH:187 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02794	acid				
20	SEQUENCE DESCRIPTION: GATCGAGACC ATCCTGGCTA GCCTTGACCG TNTGGACTCA CAGTCATGCA CCATCATGCC CAATAAA	AGTAATTCTC	CTACTTCAAC	CTCCCAAGTA	GCTGGGACTA	120 180
<b>25</b>	SEQ ID NO:2425 SEQUENCE LENGTH:187 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				187
30	CLONE: HUMGS02795 SEQUENCE DESCRIPTION: GATCAATCGT GCATCCTNAG AACTATGGTG TTCAGTTTTG ACTCCTCTAA AANTTACAGT TAGNAAA	CCTCTGTTAG	AAATTCACAC	TGTTGTTGTA	ATNATGTGGA	120
35	SEQ ID NO:2426 SEQUENCE LENGTH:185 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
40	CLONE: HUMGS02796 SEQUENCE DESCRIPTION: GATCNCGTTT TNAACCCGNT CTCCTGGTCC CAGTGCACCG ACGCGTGTCT GTCCCCNTCG ACAAA	TCTGCTCTGT	GAACTCCTCC	CACCAGGCCC	TTCTTACCCC	120
50	SEQ ID NO:2427 SEQUENCE LENGTH:181 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid		•		

	CLONE: HUMGSO2797 SEQUENCE DESCRIPTION:					
	GATCTATGTT TTCTGAAAAT	AATTGGTTAA	TGGAAGTTAT	CTAATATATT	TNAACTGTTC	60
5	CTGTTAAAAA CAATAGGCTT					
	CATTTTGTTT GTTAGATTTG	TAATTTAGCA	TCATTGGCAA	TAAATCTACT	CAAACGTTAA	180
	A					181
	SEQ ID NO:2428					
10	SEQUENCE LENGTH: 180					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS02798					
15	SEQUENCE DESCRIPTION:					
	GATCCCAAAG GGGTTGGAGG					
	AAGCTCAAGA CCACCAGCCT					
	TTTACCATGT ACAATTGTGA	TTGTGAACGT	TGTTGAGTAA	ACCTCCAGAC	TTTCTCTAAA	180
20	SEQ ID NO:2429					
•	SEQUENCE LENGTH: 186					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
25	CLONE: HUMGS02799					
	SEQUENCE DESCRIPTION:					
	GATCATAAGT NAAAAATGTA					60
	GCCTGCCTTA AACATGCTCA					
30	ACAAAATCTA TATTGTAATA TACAAA	AAGTTATAAA	GANTTTTGAA	TAAAANTTCA	ATATTTGANG	180 186
						100
	SEQ ID NO:2430					
	SEQUENCE LENGTH: 180					
35	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS02800					
	SEQUENCE DESCRIPTION:	1017011000	CTCTC+CCC+	0017001700	N. BOOGBORG	••
40	GATCTGGTGG AGGGAACTGA TGTNAAGGGG GCAGGGTCCC					60
	GTCCTGTTTG TAAACTCAAC					
					00.55110.551	100
	SEQ ID NO:2431					
45	SEQUENCE LENGTH: 180					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS02801					
50	SEQUENCE DESCRIPTION:	BB0000000-	0.0000000			
JU	GATCTATTTT TCCTAAAACA	TTCCCCTCCC	CACTCCTCTC	CCACAGAGTG	CINNNNTGTT	60

	CCAGGCCCTC CAGTGGG	TG ATGCTGGGAC	CCTTAGGATG	GGGCTCCCAG	CTCCTTTCTC	120
	CTGTGAATNG AGGCAGAG	AC CTCCAATAAA	GTGCCTTCTG	GGCTTTTNCT	AACCTTTAAA	180
	•					
5	SEQ ID NO:2432					
	SEQUENCE LENGTH: 179	1				
	SEQUENCE TYPE: nucle	ic acid				
·	TOPOLOGY:linear					
10	CLONE: HUMGS02802					
-	SEQUENCE DESCRIPTION	N:				
	GATCTTCACC AATGGCAA	GT GGAATGACAG	GGCTTGTGGA	GAAAAGCNNN	TTGTGGTCTG	60
	CGAGTTCTGA GCCAACTG	GG GTGGGTGGGG	CAGTGCTTGG	CCCAGGAGTT	TGGCCAGAAG	120
	TCAAGGCTTA GACCCTCA	TG CTGCCAATAT	CCTAATAAAA	AGGTGACCAT	CTGTGCAAA	179
15						
	SEQ ID NO:2433					
	SEQUENCE LENGTH: 273					
	SEQUENCE TYPE:nucle	ic acid				
00	TOPOLOGY: linear	•				
20	CLONE: HUMGS02803					
	SEQUENCE DESCRIPTIO	N:				
	GATCTAAAAA TTCAATGC	AA ATATCTTTTA	TTTGGTAGTT	TTGTCTACAT	ATTTNATGCT	60
	CTAGCATGTG CAATATAT					120
25	TTTNGCATAA CATATTTG	TA ACAGCATAAA	ATATTGTTTG	ATGATTTCAG	TGGGATTTTG	180
	TCTATAATGT TTTCTTAT	GT AAATNGGAGT	TGAATGACTC	TGGTAAATGT	CATGACTGTA	240
	AAANTGGGGA AANTGACT	TT NAGTTCAGTG	AAN			273
			•			
30	SEQ ID NO:2434					
	SEQUENCE LENGTH: 178				٠	
	SEQUENCE TYPE: nucle	ic acid				
	TOPOLOGY:linear					
	CLONE: HUNGS02804					
35	SEQUENCE DESCRIPTIO	•••				
	GATCCAAACT AATTTTAC	AAAAAAAAT TA	AGTTAAACTA	AACTTCTTTA	CTGCTGATAT	60
	GTTTCCTGTA TTCTAGAA	AA ATTTTNACAC	TTTCACATTA	TTTTTGTACA	CTTTCCCCAT	120
	GTTAAGGGAT GATGGCTT	TT ATAAATNTGT	ATTCATTAAA	TGTTACTTTA	AAATAAA	178
40						
	SEQ ID NO:2435					
	SEQUENCE LENGTH: 176			•		
	SEQUENCE TYPE: nucle	ic acid				
	TOPOLOGY:linear					
45	CLONE: HUNGS02805					
	SEQUENCE DESCRIPTIO	N:				
	GATCTAAAAT AAATATTG	TT AAAAGCATTA	CCTCTAGGGA	ATGGGATTTA	GATTTAAAAA	60
	GGGTGGGATG GGAAACTG	TG TTTTTCATTT	TAAGTCCTTC	TGTACTANNT	AATTTGTNAC	120
50	CTTGTGCATG TATTACTT	TG AAAAAATTTT	TAATAAACCC	AAATAAANT	CTTAAA	176

5	SEQ ID NO:2436 SEQUENCE LENGTH:175 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02806 SEQUENCE DESCRIPTION:	acid				
10	GATCANCCCT CAAGGGCACA CATGGGGGTG TAGGGAGTTC GGTGAGGCTC AGTGGCAGGT	GGGGTAGCTC	CTCATTAACT	ATTTGTNGGN	TGAGTAAAGG	
15	SEQ ID NO:2437 SEQUENCE LENGTH:175 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02807	acid				
20	SEQUENCE DESCRIPTION: GATCGGCAGC AAGAGTAAAG CCTTAGGCAG CCCCCCTCTT ACTCTCAGGT GGTGGGGTGG	TGGCCCCCTC	CTGTCAGGCC	CAGGGCTTGG	AGTGAAAGTN	
25	SEQ ID NO:2438 SEQUENCE LENGTH:174 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02808	acid				
30	SEQUENCE DESCRIPTION: GATCCCTTCA CTGGCCCCCT GNGGNGGACC GCAGCACCTA GTAGATTATT TATTTTGTNA	TCTGAGCAGT	TAGAGCGTCT	TTTTTTCAG	ATTGTGTACA	
35	SEQ ID NO:2439 SEQUENCE LENGTH:172 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
40	CLONE:HUMGS02809 SEQUENCE DESCRIPTION: GATCTTGTCT GAAATGCTAG AGTAGAGCTG CTTAAAATAA TCTGTGTTAT AATAGAAANC	TTCCCTTTTT	TTTTCTGTTG	AATTCTGTTA	CAAAACCAGG	60 120 172
45						
	SEQ ID NO:2440 SEQUENCE LENGTH:171 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
50	CLONE: HUMGS02810					•

	SEQUENCE DESCRIPTION: GATCAATGTC CCTGGTTACC	TATGTGTTTG	AATTATCTTC	GTGTTACAGG	TGTTTAATGA	60
	TTTTNCTCCT TCTAGCTTAT					
5	CTNTGTTTCA GCAACTGTAT					171
	SEQ ID NO:2441					
	SEQUENCE LENGTH: 170					
10	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE: HUMGS02811					
	SEQUENCE DESCRIPTION:					
	GATCGTAAAA TTTTAAGCAC	TAAAAATTTT	TTCATAACCT	TTCATAATAA	AGTTTAATAA	60
15	TAGGTTTATT AACTGAATTT					
	CATATACAAA TACAACATTT	ACAATAAATA	AAATACTTGA	AATTCTCAAA		170
	SEQ ID NO:2442					
20	SEQUENCE LENGTH: 196	•				
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS02812			•		
0E	SEQUENCE DESCRIPTION:					
25	GATCTACTTT GAATTCCACA					
	CTGATATAAT CTGCCAGGCT					
	ATGCACTGGT CTGACTTTAT	AAATNATTTA	ATAAAATGAA	CTATTATCAA	ATAAAACGTA	
	TGATTCAGTC CTTAAA					196
30	SEQ ID NO:2443					
	SEQUENCE LENGTH: 216					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	5014				
35	CLONE: HUMGS02813					
	SEQUENCE DESCRIPTION:					
	GATCAAATTT TTTTCTTGCA	ATNATGTGAT	GAGTTGCCAA	ATAATTGANA	TTATTTTAAA	60
	ATGTTTTGTT CATATTCTTG	TTAATATTT	AAAATTTACA	TTCAGTGTGT	ATGGGTTTTT	120
40	TTTTNATTTT NACTCTTAAT	GTAAGGTGGA	TATTNCTGTN	ATTTTACATG	GTTTCTTACT	180
	GAGATTTTAT ATATAANTNA	TAAAANGTTT	ACCAAA			216
	SEQ ID NO:2444					
45	SEQUENCE LENGTH: 173					
45	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS02814					
	SEQUENCE DESCRIPTION: GATCGTTAAT GCCCTTGAAG	<b>ጥ</b> ሶ ስጥተተዋል	0000000110	1117007010	4 1 TTTT	60
50	GGTCCCTCCT ATNATAGTAT					

	CCTGATTTTA TATACTTGTA	TCTATCAATA	AACATTGTGA	TACTTGATGT	AAA	173
	SEQ ID NO:2445					
5	SEQUENCE LENGTH: 223					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS02815					
	SEQUENCE DESCRIPTION:					
10	GATCAGCTCC GTGGGGCTGG					60
	GAGGAATGCA AAATAAAGCA					
	TAAATTCTGT GTCTGTGACT				CACATTTAAA	
	ATTTCAAGTG TACTTTAAAA	TAAAATACTT	CTAATGGAAC	AAA		223
15	GEO ID NO 0440					
	SEQ ID NO:2446					
	SEQUENCE LENGTH: 168 SEQUENCE TYPE: nucleic					
	TOPOLOGY: linear	aciu				
20	CLONE: HUMGS02816					
	SEQUENCE DESCRIPTION:					
	GATCTGTCAC TTTGTATAAA	AACAAGAAAC	GATTAGTTCA	TTAAACTTTT	TCTTTACCTT	60
	CTGGTAGTAA AAATAGATAA	AATAATTCCG	TNTCAACTAC	TGTGTGTAAA	AAGCCTGTAT	120
25	CATATGTAAC TGGGACTTTT	GTAAATAAAT	NTTTTTGCGC	TCTGCAAA		168
	SEQ ID NO:2447					
	SEQUENCE LENGTH: 168					
30	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear CLONE:HUMGS02817					
	SEQUENCE DESCRIPTION:					-
	GATCATAAAA TGTATCTTTT	CCATGGCCAA	CAAGGNGCAT	CTNTTATAAA	TGCATAATAA	60
05	CCCAGTTNGT ATCAAAGGGT			-		
35	TTTTAATGTA ATNCTGTTTT					168
	SEQ ID NO:2448					
	SEQUENCE LENGTH: 135					
40	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS02818					
	SEQUENCE DESCRIPTION:					
45	GATCTGTGCA ATAAAGTGTT					60
	ATAATTGTTG TATATTGAAC	AAAATATTTA	TACTTATGCA	GTTGCATAAC	ATTGAAATAA	
	AAATTTAGCA TGAAA					135
	SEQ. ID NO:2449	•				
50	SEQUENCE LENGTH: 167					•

	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear		
	CLONE: HUNGS02819		
5	SEQUENCE DESCRIPTION:		
	GATCCTGCCA GAAAATTTCA AAGACAGTAG ATTGAAAAGG AAAGGCTTGG TAA		
	TCAGGCATTC CTAGCCGAGT GTGACACAGT GGAGCAGAAC ATCTGCCAGG AGA		
	GCTGCAGTCT ACAAACTTTG CCCTGGCCGA GTGAGGTGTA GCAGCAN	167	
10	SEQ ID NO:2450		
	SEQUENCE LENGTH: 167		
	SEQUENCE TYPE:nucleic acid		
	TOPOLOGY: linear		
15	CLONE: HUMGS02820		
	SEQUENCE DESCRIPTION:		
	GATCAGNAGG CATCACTGAG GCCAGGAGCT CTGCCCATGA ACCTGTATCC CAC	GTACTCC 60	
	AACTTCCATT CCTCGCCCTG CCCCCGGAGC CGAGTCCTGT ATCAGCCCTT TAT	CCTCACA 120	
20	CGCTTTTCTA CAATGGCATT CAATAAAGTG CACGTGTTTC TGGTAAA	167	
	ODO ID NO OUT		
	SEQ ID NO:2451 SEQUENCE LENGTH:413		
	SEQUENCE TYPE:nucleic acid		
25	TOPOLOGY: linear		
23	CLONE: HUMGS02821		
	SEQUENCE DESCRIPTION:		
	GATCCGGTTT CTTTTTGCTC GCCCCTGTTT TTTGTAGAAT CTCTTCATGC TTG	ACATACC 60	
	TACCAGTATT ATTCCCGACG ACACATATAC ATATGAGAAT ATACCTTATT TAT	TTTTTGTG 120	
30	TAGGTGTCTG CCTTCACAAA TGTCATTGTC TACTCCTAGA AGAACCAAAT ACC	TCAATTT 180	
	TTGTTTTTGA GTACTGTACT ATCCTGTAAA TATATCTTAA GCAGGTTTGT TTT	CAGCACT 240	
	GATGGAAAAT ACCAGTGTTG GGTTTTTTTT TAGTTGCCAA CAGTTGTATG TTT		
	ATTTATGACC TGAAATAATA TATTTNGTNC TTCTAAGANG ACATTTTGTT ACA		
35	ATGGCCTTTT TTATACAANG GGAATAANAT TNTGGGCATT TCCTATGGAGGGCA	ATT TCCTATGGAA AAA	413
	SEQ ID NO:2452		
	SEQUENCE LENGTH: 166		
	SEQUENCE TYPE:nucleic acid	•	
40	TOPOLOGY: linear		
	CLONE: HUNGS02822		
	SEQUENCE DESCRIPTION:		
	GATCTGTNAT TGGCATCTTG GTTCTACCTT TTATCAGATG TTGTTGCCTT GTG		
45	CATTTTCTCT GAGTCTCCAT TTTCTCATTT ATAACATGCG GAGAATAATA CTT	TATATTTG 120	
	TGGTAGTAGT GTGAACATTA AAAAGATAAT GTATGTGAAG TACAAA	166	
	SEQ ID NO:2453		
_	SEQUENCE LENGTH: 165		
50	SEQUENCE TYPE:nucleic acid		

5	TOPOLOGY:linear CLONE:HUMGS02823 SEQUENCE DESCRIPTIO GATCCATGCT AATATTGT TTATGAAAAT ATTTGTAA TAATATATTT TGNTATAC	ATTUTTTT TA CATATATAA TI	AGTTGGAAAT	AGCAGTAAGC		
10	SEQ ID NO:2454 SEQUENCE LENGTH:164 SEQUENCE TYPE:nucle					100
	TOPOLOGY:linear CLONE:HUMGS02824 SEQUENCE DESCRIPTION					
15	GATCTTGTTA GAAGGCAG' TCCTGGGAGA TGCTGATGG TATCCTTANN NNTTGTAA'	CT ATCGAGCCAC	AACCACACTT	TGAGTAGCAA		60 120 164
20	SEQ ID NO:2455 SEQUENCE LENGTH:164 SEQUENCE TYPE:nucle	٠				
25	TOPOLOGY: linear CLONE: HUMGS02825 SEQUENCE DESCRIPTION					
	GATCAATGCC AGATTTTNT TGGGAAAATN CTTTGATAT TACCANTTAT AATNATATO	T NTTGGGGTAA T TGATGTCATT	GTATCCACAT	TTNTTGTAAG		60 120 164
30				0.0.0.1		101
	SEQ ID NO:2456					
	SEQUENCE LENGTH: 164					
	SEQUENCE TYPE:nuclei	c acid				
35	TOPOLOGY:linear					
	CLONE: HUMGS02826					
	SEQUENCE DESCRIPTION GATCCCTTCT GCCCTGGCA		CT   LTCTU   C	O O TTO THO A M	#00mmm.coo	
	TAGCTGACCC CTTCACCTC					60
40	TTGTAAGAGA CTGTTTATN				NUNANACIUC	164
	SEQ ID NO:2457					
	SEQUENCE LENGTH: 162 SEQUENCE TYPE: nuclei	: .				
45	TOPOLOGY: linear	c acid				
	CLONE: HUMGS 02827					
	SEQUENCE DESCRIPTION	:				
	GATCCAGAAT ATTTTCATT		CATTAATTGG	AACATGGTGA	AACATTGTAC	60
50	ACATTGTAAA AGTAGGGAA					

	ANCTAGAGTG ATTTTGGAAT	TTCACTCTCT	TCACCCCTTA	AA		162
5	SEQ ID NO:2458 SEQUENCE LENGTH:161 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02828	acid			·	
10	SEQUENCE DESCRIPTION: GATCAAAAAC CTCTATAGTA GTGTGTACAC TGTTCAATAT TTCATTGCAA TGNAATAAAA	GGTTCAATAT	GGTACCAATA	GCCACATGTG		60 120 161
15	SEQ ID NO:2459 SEQUENCE LENGTH:159 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
20	CLONE:HUMGS02829 SEQUENCE DESCRIPTION: GATCTTCACC TCTCTGCCTC CCAAAGGGTT CTGGCCCCTT GGTGTTAGTT ATCGAATAAA	CTCACTCTCC	TCTCCTCTCA			
25	SEQ ID NO:2460					
30	SEQUENCE LENGTH:159 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02830 SEQUENCE DESCRIPTION:					
	GATCAATTTA AAATATTTNA CCTTCTCCTT TCATGGGAGA					120
35	AAAAGAAATT ATAATAAAAG SEQ ID NO:2461	GGATACTTTG	CTTTTCAAA			159
40	SEQUENCE LENGTH: 158 SEQUENCE TYPE: nucleic TOPOLOGY: linear CLONE: HUMGS02831 SEQUENCE DESCRIPTION:	acid				
45	GATCTATTTA ATTTGAGGTT TTTTCATATG TTGATTTGTT TTTNCCCCAT CCCTGTCTTG	TCATTTGGAT	TTTTTTTTA			
	SEQ ID NO:2462 SEQUENCE LENGTH:256					
50	SEQUENCE TYPE: nucleic	acid				•

5	TOPOLOGY:linear CLONE:HUMGS02832 SEQUENCE DESCRIPTION: GATCTGAAAT GTGATGATTA AACTGAAATG GATAAAAATT TTTTCTCTGC AGTATTAAAC TTTCATTATG TGTGCTTCCA GNACTTTATA CAGAAA	AGTATATATG ATTTGGAAGA	TTTATTTTGT GACTAAAGGT	TCTATCTCCT ATGCAAAANT	TTGGTTGTAT AATGTCTTAT	120 180
10						
15	SEQ ID NO:2463 SEQUENCE LENGTH:156 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02833 SEQUENCE DESCRIPTION:	acid				
	GATCTTGTGT CTACTCTAGG	ACTGGGCCCG	AGGGTGGTTT	ACCTGCACCG	TTGACTCAGT	60
	ATAGTTTAAA AATCTGCCAC	CTGCACAGGT	ATTTTTGAAA	GCAAAATAAG	GTTTTCTTTT	120
20	TTCCCCTTTC TTGTAATAAA	TGATAAAATT	CCGAAA			156
25 30	SEQ ID NO:2464 SEQUENCE LENGTH:156 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO2834 SEQUENCE DESCRIPTION: GATCTTCTCC TTTGTGAAGC TCTGTTTTTC CACAGCATCT CTGCGTCCTG TAAAAAACAN	ATCCCTCACC ATGCTTCTNT	NCACTGTATC			60 120 156
35	SEQ ID NO:2465 SEQUENCE LENGTH:191 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02835 SEQUENCE DESCRIPTION:	acid				
40	GATCTGCATT TATCATGAGT TGANGTAGTT CAGTCATGTC AGTTTTTTT TAGNGATGAA CATCTGTTNA N	AGGTTTGTCT	GGGGTGGANT	GGACCAGTCA	GGTAGTTGAA	120
45	SEQ ID NO:2466 SEQUENCE LENGTH:155 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
50	CLONE · HIIMGS02836					

	SEQUENCE DESCRIPTION					
	GATCCACCCC CTGCCCACA					60
5	GAACTAATGA TAATCCCAC			GGACTCAGCC	CACCTGCACC	
	CAGGTGATTA AAAAGCTTT	A TTGTTCACAC	ANAAA			155
	SEQ ID NO:2467					
	SEQUENCE LENGTH: 154					
10	SEQUENCE TYPE:nuclei	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS02837					
	SEQUENCE DESCRIPTION		CTALLCCCC	ACCAACCCAC	CCCALACCCA	60
15	GATCCTAGCA AATTTGCCCA					
				1111000111	GIIGICGIIN	
	TTGTAGTTAA AGGAATTTA	I IIIIIAAAA	UAAA			154
	SEQ ID NO:2468					
20	SEQUENCE LENGTH: 154					
	SEQUENCE TYPE:nucleio	acid:				
	TOPOLOGY:linear					
	CLONE: HUMGS02838					
25	SEQUENCE DESCRIPTION					
20	GATCGGGCCT AGCCCGGCA					
	AACTTAATGA CTGTNTACA			ATGTCTGTGA	GCTATTAATG	
	TTATTAATTT TCATAAAAG	TGGAAAGCAG	CAAA			154
30	SEQ ID NO:2469					
	SEQUENCE LENGTH: 153					
	SEQUENCE TYPE:nuclei	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS02839					
35	SEQUENCE DESCRIPTION	;				
	GATCACCCGG GGCTGTCTG	ATACAGACTT	CTCAGGGGAG	TTCTCAGCTT	GGACCCTTAT	60
•	CTCCCCAGAA TCCTGGAAC	TGCTCCTTCT	GCTCTCGTGA	CTGACTGTGT	TCTCTATGCA	120
	ACTTCCAATA AAACCTCTT	CATTTGAAAGG	AAA			153
40						
	SEQ ID NO:2470					
	SEQUENCE LENGTH: 154					
	SEQUENCE TYPE: nuclei	c acid				
45	TOPOLOGY: linear					
45	CLONE: HUMGS02840					
	SEQUENCE DESCRIPTION	_				
	GATCTTAAGC CCAGCTCTG					
	GGTTCCCTTG GATTTAGGG	A TAGTGTCCCT	CTCCATGTCC	AGGAAACTTG	TAACCACCCT	120
50	TTTCTAACAG CAATAAAGA	G GTGTNCTTGT	CAAA			154

	SEQ ID NO:2471 SEQUENCE LENGTH:152 SEQUENCE TYPE:nucleic	acid				
5	TOPOLOGY:linear CLONE:HUMGS02843 SEQUENCE DESCRIPTION:					
	GATCACAGGC CTTGCTTTTG	TAACAATGAT	GACCCCGGCC	TGTCTCATAT	TCTGAAGAGG	60
10	AAAAGTCAAA GTGTTGCTGN			AATATATCTG	TTGGAGAAAG	
	AAATTAACAA TAAAGAATTT	ICATAGGITA	AA			152
	SEQ ID NO:2472					
	SEQUENCE LENGTH: 151					
15	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS02844 SEQUENCE DESCRIPTION:					
	GATCGTATTC CCTGCTTTAA	GGAACTGNTA	GNCTTGTTTG	GGTGATGAGA	CAAAGTTCTT	60
20	GAGACATTTA AACTGTATTT					120
	TGGAAATAAA ACATTGCCTA	AGCCCTTGAA	A			151
	CPO ID NO.0472					
25	SEQ ID NO:2473 SEQUENCE LENGTH:150					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS02845					
30	SEQUENCE DESCRIPTION:					••
	GATCCAATCA GCTGTAAGTN AACAGCAGCT TCAACCTGAG					60
	TCTTCAGAAT ACATTGGATG		CAGCCAGCCC	CUALAATCAC	CIAIGCCCAI	150
	TOTTONUMNI MONITUUNTU	ONIGIGOMA				
35	SEQ ID NO:2474					
	SEQUENCE LENGTH: 149					
	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE: HUNGS02846					
40	SEQUENCE DESCRIPTION:					
	GATCCAGAGA GTCTGAAGAC	ATTTCTNATG	CCTTTATATA	TTGGAGAACC	CTTCCCCATT	60
	TTNATATCCT TTCTTCAAAA		TGTGCCTAAA	AATAAGACAT	GGCATAATAA	120
	GGTATAATTA AAGAGATAAT	AGAATGAAA				149
45	SEQ ID NO:2475					
	SEQUENCE LENGTH: 153					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	<del>-</del>				
50	CLONE: HUMGS02847					

5	SEQUENCE DESCRIPTION: GATCCAGTAC CTGAAAGATT CCCCTAGTTG AGGATAGTCA TGTTCCAATA AATTATTTTG	GGAGCGTCAA	TGTGCTTGTA			60 120 153
10	SEQ ID NO:2476 SEQUENCE LENGTH:147 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO2848	acid				
15	SEQUENCE DESCRIPTION: GATCCTTTTG GAGTCAGACA TTTCTCATTT GCCAATAATA AAATAAAGAA CTAGCATAAC	ATACCTCCCT				
20	SEQ ID NO:2477 SEQUENCE LENGTH:207 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02849	acid				
25	SEQUENCE DESCRIPTION: GATCTCCAGT GATTGGCGAT TGTTGGTGCA TCTCTTGTCT CTTGTATGCA ACTNTGTAAT GCGTGTNCAC TGGAAAACAT	TCTTTCCTTT CTGATTNCCC	TCCATTCTCC	TNTATTNTTN	TATTTACATA	
30	SEQ ID NO:2478 SEQUENCE LENGTH:146	AINIAIN				201
35	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02850 SEQUENCE DESCRIPTION:					
40	GATCGAGCTC ACAGGGGGCA TTGGATTCCT CTGTTGTTGT ATAAATAACT CCTTTGTAGC	CATCAATTCC				60 120 146
45	SEQ ID NO:2479 SEQUENCE LENGTH:144 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO2851 SEQUENCE DESCRIPTION:	acid				
50	GATCCCGGCC AGCCAGGTGA GCCCCTGCCC CGGCTCCCCG AAACTCCGGA AGCAAGTCAG	CCAAAGCACC				

5	SEQ ID NO:2480 SEQUENCE LENGTH:143 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02852 SEQUENCE DESCRIPTION:	acid				
10	GATCCAGGCA AATTCATGTT CTCAATGGAT AGCATATTTC CCTTAAATAA AATAACCCTC	CATCAAGTAG				60 120 143
15	SEQ ID NO:2481 SEQUENCE LENGTH:290 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02853 SEQUENCE DESCRIPTION:	acid .				
20	GATCTCTTTG ACTGCTGTAG CATTTTCCAT TTATATATAT TCCATTTATA TTACATTTGT GAACTCTTGG AAATGTTATT GATTGTATTC AAAAGNTTAA	TTTTTAAGAG AACCATGATA AGTGAAGTTC	GCTAGAGTGC CTTTAATCAG GCAACTAAAC	TTTTAGCCTT AAGCTTAGCC TAAACCTGTA	TTTTAAAAAC TTGAAATTGT AAATTATGAT	180
25	SEQ ID NO:2482 SEQUENCE LENGTH:143 SEQUENCE TYPE:nucleic	acid				
30	TOPOLOGY:linear CLONE:HUMGS02854 SEQUENCE DESCRIPTION: GATCTGATTG AGATGTACAT					
35	TGTTAACATG AGAAATGTAT TAAATAAAAT ATTTGGAAGG		TAGTTGATGT	ATGTTTTNA	ATTTAATATT	120 143
	SEQ ID NO:2483 SEQUENCE LENGTH:269					
40	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02855 SEQUENCE DESCRIPTION:	acid				
45	GATCCTTATC AGGGAGAGCA GCCTCCTGTC TGCCCCCAGG CAGGGCTGCA TCTGCAAAGG AGCNCGCTCC NAGATGTAAA	CTGCTGCTNC GGCGTCGGAC GAACGCGACT	TGCTGCCCTG AAGTGCAGCT	TGGGTTGTGC GCTGCGCCTG	CAAGTGTGCC ATGCTGGGAC	120 180
50	CCTGACNGTN ACCGTTTGCN	AIAIINUNN				403

5	SEQ ID NO:2484 SEQUENCE LENGTH:140 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02856 SEQUENCE DESCRIPTION: GATCATACAT TITATATGGT GACCTCTTTT CAGTTCATCA AATATGAGCT GGGGATTAAA	TGGGACTTCT AGTTCATCAG		
15 20	SEQ ID NO:2485 SEQUENCE LENGTH:139 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02857 SEQUENCE DESCRIPTION: GATCCAACCC CACCCTCCTG CCCAAGAATG GTTCTGGCAA	GGTGCGGCCA		
25	ACGAGGTTCT GCCATGAAA  SEQ ID NO:2486 SEQUENCE LENGTH:139 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid		139
30 -	CLONE:HUMGS02858 SEQUENCE DESCRIPTION: GATCTGCCGG CTCCCGTCCA AATTCTACAA TCCCGCTGGG CCCTGGGGGG TCATTCGAN			60 120 139
35	SEQ ID NO:2487 SEQUENCE LENGTH:138 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02859	acid		
40	SEQUENCE DESCRIPTION: GATCTTCAAT GCCTCTGAGT GGAGACTGGG CAAAACCTGT TAAATTTCTT AAATCAAA			
50	SEQ ID NO:2488 SEQUENCE LENGTH:231 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02860	acid		

	SEQUENCE DESCRIPTION:					
	GATCATGGTT CTCTTTGTAC	GATAGTTGGG	CATCTGTATT	TCCACTTGTG	TGAATTTGCC	60
	TTTAAATTTT GGTTATGGGT	TTCACCTTTT	AAAATAATCA	AACATATTTA	TCTTTTCCTG	120
5	TGTGATAGGT TTTTTNCTGT	ATCTTTTCCT	GTTAAACACA	CAGACCCCTC	CCCAATCTGG	180
	ACATTGAATA CNTATTCATT	TTCCTTTGCN	NNAATANNCC	NNANACANAC	N	231
	SEQ ID NO:2489					
10	SEQUENCE LENGTH: 137					
,,	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS02861 SEQUENCE DESCRIPTION:					
٠	GATCTGCCCC TGCATTGTAG	CTTCCTTAAC	GGAGCACTTC	TOOTTTTOO	AAAGGTCTAC	60
15	ATTCTAGGGT GTGGGCTGAG					
	ACAAGAACAA TGATAAA	HOHIOIGIA	MAGNAMIAM	COCIMITATION	AINANAIIUA	137
						10.
	SEQ ID NO:2490					
20	SEQUENCE LENGTH: 135					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS02862					
25	SEQUENCE DESCRIPTION:					
	GATCTTTAAA TTTTGAGACA					60
	CACCATTTTT TATTCTGTGT	ATTTAGAATG	AAGTCTTGAA	AAAAACTTTA	TAAAGACATC	
	TTTAATCATT CCAAA					135
30	SEQ ID NO:2491					
	SEQUENCE LENGTH: 286					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
35	CLONE: HUMGS02863					
33	SEQUENCE DESCRIPTION:					
	GATCCAAATA TTTTCAAGCC	ATGTAATCCA	TTGGTTTTGT	GGGCAGTTTA	ATAAACCTGA	60
	ACCTTTGTGT GTTTTCTAAT	TGTACCTGAG	TTGACCATCC	TTTCTTTTTA	NAGTATATTT	120
	CTNGTATGAT ATTNTGTAAA	GCTCTCACCT	GGTTCTTTTA	TGGGGACTTT	TCGTTTTTGG	180
40	GCAACTGCAG TGTATTTATG				TGTGCATATT	
	AATATGGTNC CTCCACACAT	GGNNAGGGCA	CAGTGGCTTC	GTGTTN		286
	SEQ ID NO:2492					
	SEQUENCE LENGTH: 135					
45	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	aciu				
	CLONE: HUMGS02864					
	SEQUENCE DESCRIPTION:					
50	GATCATGCCT CTTTCCAACA	CGTGTTCACA	ATCTCCAAAG	GGACTGTATT	THTHETETET	60

	GCTTAATNTG ATTTGAAATA GATAATAGCC TTAAA	TGTTGAATCA	AAGTGAAATA	TTTATNTTTT	GAATAAAGGA	120 135
5	SEQ ID NO:2493 SEQUENCE LENGTH:135 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02865	acid				
10	SEQUENCE DESCRIPTION: GATCGAAAAC AAACGNTAGA AAGAAAGAGA TGCAACCCAC TTTNACTATG AGATN					60 120 135
15	SEQ ID NO:2494 SEQUENCE LENGTH:135 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
25	CLONE: HUMGS02866 SEQUENCE DESCRIPTION: GATCATGCCA CTNCACTCAC AAAACAAACA AAAAAAATCA NCTTCATTTG ACAAN					
	SEQ ID NO:2495					
<b>30</b>	SEQUENCE LENGTH:134 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02867 SEQUENCE DESCRIPTION:	acid				
35	GATCATTAAC ATGCCAGGGC GGAGGCTTGA AACATTAATG AACAAAACCA ACAN					60 120 134
40	SEQ ID NO:2496 SEQUENCE LENGTH:134 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02868 SEQUENCE DESCRIPTION:	acid				
45	GATCATGCCA CTGGACTCTG ATAAACAAAT AAACAGTAAA TAACTTGTGT GAAA					
50	SEQ ID NO:2497					

5	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02869 SEQUENCE DESCRIPTION:	acid				
	GATCACATGT GGGCCCGTGT TAATTTATTG CCGTGCGTCC TTCTGGTTTC AAA					60 120 133
10	,					
15	SEQ ID NO:2498 SEQUENCE LENGTH:132 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02870 SEQUENCE DESCRIPTION:	acid				
20	GATCCTGGAC ATATTTTATA GGTAGTGGTT TTTAAAATTTT TAAAAAATGTA AA					60 120 132
25	SEQ ID NO:2499 SEQUENCE LENGTH:131 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02872 SEQUENCE DESCRIPTION:	acid				
30	GATCCTGTTT TTTCTTAACA TGTGTCCGTA AACCTGAGTT AATCCTGCAA A					60 120 131
35	SEQ ID NO:2500 SEQUENCE LENGTH:133 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02873	acid				
40	SEQUENCE DESCRIPTION: GATCCTGGAT GGAACTGGCT GAATCCAAAC CTGTGTCATG NTTNGGGTNN AAA					
<b>45</b>	SEQ ID NO:2501 SEQUENCE LENGTH:130 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02874	acid				
50	SEQUENCE DESCRIPTION: GATCTCTGCT CTTTGTCAGA	GATTTGCAAA	GACTCACGTT	TTTNTTGTTT	TCTCATCATT	60

	CCATTGTGAT ACTAAGAAAC GTTCTAGAAA	TAAGAAGCTT	AATGAAAAGA	AATAAAATGC	CTATGTTGTT	120 130
5	SEQ ID NO:2502 SEQUENCE LENGTH:130 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02875	acid				
10	SEQUENCE DESCRIPTION: GATCAAAAAA GGCAGATGNA TTTGTTGGTT GGCTGGTTTG NATTTNAATN					
15	SEQ ID NO:2503					
20	SEQUENCE LENGTH: 129 SEQUENCE TYPE: nucleic TOPOLOGY: linear CLONE: HUMGS02876	acid				
25	SEQUENCE DESCRIPTION: GATCCCCCAC CTGGCAGAGG TTTGGAAGGG CAAACATATT ACTTTTAAA					60 120 129
	SEQ ID NO:2504 SEQUENCE LENGTH:129 SEQUENCE TYPE:nucleic	aaid	•			
30	TOPOLOGY: linear CLONE: HUMGS02877 SEQUENCE DESCRIPTION:	acru				
35	GATCTTCTCC GAGGCCCACC GGAGGGCCAG AGTGTGTATA AGTCTCAAA					60 120 129
•	SEQ ID NO:2505					
40	SEQUENCE LENGTH:129 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02878	acid			·	
45	SEQUENCE DESCRIPTION: GATCTAAATA AGTGTTTCAA GCATCATTAC TCTGTTAATT AAAAACAAA					60 120 129
50	SEQ ID NO:2506 SEQUENCE LENGTH:128					

5	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02879 SEQUENCE DESCRIPTION: GATCGTGCCC CGGGGCGCCG TCCCGCTTTG CTTCCTTCCC CGCAGAAA	GCCCCTGNAG				60 120 128
10	SEQ ID NO:2507 SEQUENCE LENGTH:127 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02880	acid				
	SEQUENCE DESCRIPTION: GATCACTCTT GTGGTTTTGG TATTGTNATG CAGATTTGTT GGGNNNN					60 120 127
20	SEQ ID NO:2508 SEQUENCE LENGTH:128 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
30	CLONE: HUMGS02881 SEQUENCE DESCRIPTION: GATCCCACGC AGCGCTGAAC TCAGGGCGTT TCCCATTGAC ATTAGAAA					60 120 128
35	SEQ ID NO:2509 SEQUENCE LENGTH:129 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02882 SEQUENCE DESCRIPTION:	acid				120
40	GATCGAGCTT CTCCTCTGAG GTGCAGCTTT GTTGTCCTTT ACATTGAAA					60 120 129
<b>4</b> 5	SEQ ID NO:2510 SEQUENCE LENGTH:125 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02883 SEQUENCE DESCRIPTION:	acid	·			
50	GATCTCTGAT TTAACCGTGT	ACTATCCACA	TGCATTACAA	ACATTTCGCA	GAGCTGCTTA	60

	GTATATAAGC GTACAATGTA ACAAA	TGTAATAACC	ATCTCATATT	TAATTAAATG	GTATAGAAGA	120 125
5	SEQ ID NO:2511 SEQUENCE LENGTH:124 SEQUENCE TYPE:nucleic TOPOLOGY:linear. CLONE:HUMGS02884	acid				
10	SEQUENCE DESCRIPTION: GATCTTCCAT CTCCTCAGCA ATAGCCTTAN TTCCTTCCCT CNTN					
15	SEQ ID NO:2512 SEQUENCE LENGTH:124 SEQUENCE TYPE:nucleic	acid				
20	TOPOLOGY: linear CLONE: HUMGS02885 SEQUENCE DESCRIPTION: GATCTACAGA TTCAATGCAA	ΤΤΝΟΤΑΤΤΑΑ	AATCTNATCT	GGCTTTTTT	GCATAAGCAA	60
25 .	CAAAGGAAAA ANTAAGACAT NGAN	-	-			
	SEQ ID NO:2513 SEQUENCE LENGTH:343 SEQUENCE TYPE:nucleic	acid				
30	TOPOLOGY:linear CLONE:HUMGSO2886 SEQUENCE DESCRIPTION:	4074	·			
35	GATCAGAAAA TTCATATTA TTTACAATGC AATACTTAAA AATGTAGAGT GACTTTCTGC NCTACCATTG TAATAAGTGT GAATCTGTAG GAAACGGTTC	TTTTAATACT AATATTTCAA AGCAAAATCT	CTTGTAGGAG ACCTATATCA CCTTAGATAT	AAAAAGCAAC GAGAATTACA CTGAAAAGTC	TGTATAAATG CTGTGGGAAA ATACTGGATG	120 180 240
40	AATTCAGAAA ATGTTATAAA				IIIIIAGIG	343
<b>4</b> 5	SEQ ID NO:2514 SEQUENCE LENGTH:123 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE:HUMGS02887 SEQUENCE DESCRIPTION: GATCTNTACC CCACCCCTAT ATATAACCTG TNAGGCTGGC					60 120
50	ATN					123

5	SEQ ID NO:2515 SEQUENCE LENGTH:121 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02888 SEQUENCE DESCRIPTION: GATCCAAAAT TACCTTCCTA GCCAAATNAC AAAAGATGTA N	TTGCATTTCC			
	SEQ ID NO:2516				
15	SEQUENCE LENGTH: 122 SEQUENCE TYPE: nucleic TOPOLOGY: linear CLONE: HUMGS02889 SEQUENCE DESCRIPTION:	acid			
20	GATCAACCAA CCTTAAATAT TTGGAATATT TGTNTTTGTA AA				60 120 122
25	SEQ ID NO:2517 SEQUENCE LENGTH:122 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02890	acid			
30	SEQUENCE DESCRIPTION: GATCTGGCAC CCCCTGGGTG GACCACACAG TAGCCAAGTT AA				60 120 122
35	SEQ ID NO:2518 SEQUENCE LENGTH:119 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02891	acid			
40	SEQUENCE DESCRIPTION: GATCTCAAAG ATATGCACCA CATTTTAAAT TNTCATTTTG				60 119
45	SEQ ID NO:2519 SEQUENCE LENGTH:118 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02893	acid			
50			-		

	SEQUENCE DESCRIPTION:
	GATCATAGGA TAGCTGACTT TGACAGTCAC ATTTATAAAG TAATTCACTT AAAGATATAT 60
	ATTITITICA AACAAGTITI GCTACTITIG AAAATAAATC TITCITTATA TIGCTAAA 118
5	
	SEQ ID NO:2520
	SEQUENCE LENGTH: 118
	SEQUENCE TYPE:nucleic acid
	TOPOLOGY: linear
10	CLONE: HUMGS02894
	SEQUENCE DESCRIPTION:
	GATCCAAACC CATCTTCCTG GACCTGAAGC TTATGCTTCC AGGCACCCCA CTCCTGAGCT 60
	GAATAAAGAT GATTTAAGCT TAATAAATCG TGAATGTGTT CACATGAGTT TCCATAAA 118
15	
	SEQ ID NO:2521
	SEQUENCE LENGTH: 118
	SEQUENCE TYPE:nucleic acid
	TOPOLOGY:linear
20	CLONE: HUMGS02895
	SEQUENCE DESCRIPTION:
	GATCTGCACA GTGTTATGGC ACCCTACTTC CTGCAGCAAC GGGACACNCT GCGGCGCCAT 60
	GTNCAGAAAC AGGAGGCCGA GANCCAGCAG CTGGCAGATG CCGTCCTNNC AGGGCGGN 118
25	
	SEQ ID NO:2522
	SEQUENCE LENGTH: 118
	SEQUENCE TYPE: nucleic acid
00	TOPOLOGY: linear
30	CLONE: HUMGS02896
	SEQUENCE DESCRIPTION:
	GATCCTATCT TINCTGGCAG GACTGGNAGC CATGGTGGGC TACGTTNTGN TCAGCGGCAT 60
	TNTTTCCATC CAGCGGGCAA CGCTGCTCGG GCCCCAGGCA CCCGGACCCT GGGCATGN 118
35	
	SEQ ID NO:2523
	SEQUENCE LENGTH: 117
	SEQUENCE TYPE: nucleic acid
40	TOPOLOGY: linear
70	CLONE: HUNGS02897
	SEQUENCE DESCRIPTION:
	GATCTAGTCC GGACTTGCTG TGTATATTGT AACGTTAAAT GAAAAAAGAA CCCCCCTTTG 60
	TATTATAGTC ATGCGGTCTT ATGTATGATN AACAGTTGAA TAATTTGTCC TCAGAAA 117
45	***
	SEQ ID NO:2524
	SEQUENCE LENGTH: 116
	SEQUENCE TYPE:nucleic acid
50	TOPOLOGY: linear
-	CLONE : HIMGS02898

	SEQUENCE DESCRIPTION: GATCGTNATT NAGAATCCAT TGGGTTGGAA ACACTTGGGC					60 116
5	SEQ ID NO:2525 SEQUENCE LENGTH:116 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
10	CLONE: HUMGS02899 SEQUENCE DESCRIPTION: GATCCTTTGC NTTCAAGACT GGNCTCCCAG TGTATTGAAG					60 116
15						
	SEQ ID NO: 2526					
	SEQUENCE LENGTH: 117 SEQUENCE TYPE: nucleic	2014				
	TOPOLOGY: linear	aciu				
20	CLONE: HUMGS02900					
	SEQUENCE DESCRIPTION:					
	GATCTCTGGG TAAAGAGGCC	GTTTATCTTT	GTAAACACGA	AACATTTTTC	CTTTCTCCAG	60
	TTTTCTGTTA ATGGCGAAAG	AATGGAAGCG	AATAAAGTTT	TACTGATTTT	TGAGAAA	117
25	SEQ ID NO:2527					
	SEQUENCE LENGTH: 119					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
30	CLONE: HUMGS02901					
	SEQUENCE DESCRIPTION:					
	GATCTAGGAA GACTTTGGAA					60
	ACCAACGTCT GTGCCATTTT	NIATITIACT	AAIAAAAIII	AAAAGINIIG	IGAATCAAA	119
35	SEQ ID NO:2528					
	SEQUENCE LENGTH: 115					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS02902					
	SEQUENCE DESCRIPTION: GATCCCCAGG AGGCCTGGNC	CCCCACACC	OTCOTOTO 10	**********	C+CCTTTCCC	co
	NCAGTGTTCC TTGTGCCCGT					60 115
		ddddccddax	CONTOTALING	ICIGGGCOVÁ	UCMA	110
45	SEQ ID NO:2529				•	
	SEQUENCE LENGTH: 119					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS02903					

	SEQUENCE DESCRIPTION	:				
	GATCACGTTT CAGGGTCCT	C CAAAANGCTA	GCCCGGCACT	' ACACTAGGGA	ATTTCNCCCT	60
	CTCCTGTCAC TTGTCATGG					
5						
	SEQ ID NO:2530					
	SEQUENCE LENGTH: 114					
	SEQUENCE TYPE:nuclei	c acid				
10	TOPOLOGY: linear					
70	CLONE: HUMGS02904					
	SEQUENCE DESCRIPTION	•				
	GATCCCAGAA ATGTAGCTT	G TTTCATATTT	TAGTCTTCTT	ATTTTTGTAA	AATGTGTAGA	60
	ATTTGCTGTT TTTNTTTTT					114
15						
	SEQ ID NO:2531					
	SEQUENCE LENGTH: 119					
	SEQUENCE TYPE: nucleio	acid	-			
20	TOPOLOGY: linear					
20	CLONE: HUMGS02905					
	SEQUENCE DESCRIPTION					
	GATCAGCCCC CAAAGAAAT	GGGGTGCATG	CTGGGCCTGG	CCCCCTGGCC	CACCCCCACT	60
	TTCCAGGGCA AAAAGGGCCG	AGGGTTATAA	TAAGTAAATA	ACTTGTNTGT	ACAGCCAAA	119
25						
	SEQ ID NO:2532					
	SEQUENCE LENGTH: 113					
	SEQUENCE TYPE:nucleio	acid:				
30	TOPOLOGY: linear					
	CLONE: HUMGS02906					
	SEQUENCE DESCRIPTION:					
	GATCTTGGCT TCTCAACAG					60
	TCACATNCTG CTTAAGGGAG	CACAAATAAA	GGTATTCGAT	TTTTAAAGAT	AAA	113
35						
	SEQ ID NO:2533					
	SEQUENCE LENGTH: 348					
	SEQUENCE TYPE:nucleio	acid				
40	TOPOLOGY: linear					
	CLONE: HUMGS02907					
	SEQUENCE DESCRIPTION:					
	GATCAAAATG TTTGAAGAAA					60
	GAGATATTTC AACATGTTAT					
45	TAGCAGTTTA TGGGGAGCAC					
	CATTGAATGC AAACGTGTAT					
	TTGCCGCTAA GTGATATTTC				CTTGTAAGTC	
	TTTTCACCAT TCATGAATAA	TANTANATAT	GTACTGCTGG	CATGNAAA		348
50	SEO ID NO.2524					•

5 .	SEQUENCE LENGTH:111 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02908 SEQUENCE DESCRIPTION: GATCTGATGG TTTTAAAAAT CATGGCCATG TAAGNAGTGC	GGGAGCTTCC			60 111
10	SEQ ID NO:2535 SEQUENCE LENGTH:110 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02909	acid			
	SEQUENCE DESCRIPTION: GATCCCAACA GGACAAATCT AGATTCTTCA TATGTATTTG			TGTACCAACT	60 110
20	SEQ ID NO:2536 SEQUENCE LENGTH:110 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid .			
25	CLONE:HUMGS02910 SEQUENCE DESCRIPTION: GATCCCCAAC TGCTCCAGCC TNTCTTGTGT AATGTAAACT			ATCGGCGGAC	60 110
30	SEQ ID NO:2537 SEQUENCE LENGTH:110 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid			
35	CLONE:HUMGSO2911 SEQUENCE DESCRIPTION: GATCTGTTTG GAAAACATAG TNTNCAAATN GNTTCTTTTG			AAANACCCTT	60 110
40	SEQ ID NO:2538 SEQUENCE LENGTH:109 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid			
	CLONE:HUMGS02912 SEQUENCE DESCRIPTION: GATCTTTTTA ACTCTACTGT GAAACTAAGT TTAATAAATA			CATAGTTGGA	60 109
50	SEQ ID NO:2539				

5	SEQUENCE LENGTH:109 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02913 SEQUENCE DESCRIPTION: GATCTCCCCC ACCCTTGGAT GTTTCTACTT GTAAATGTAA	TAGAGTTCCT		AACACATGTT	60 109
10	SEQ ID NO:2540 SEQUENCE LENGTH:109 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid			
15	CLONE: HUMGS02914 SEQUENCE DESCRIPTION: GATCTCCTNT CCCTCACTCA AAAGACAGAA GACAGCATGA			CTTTGGNATG	60 109
	SEQ ID NO:2541 SEQUENCE LENGTH:107 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02915	acid			
25	SEQUENCE DESCRIPTION: GATCTGTCAC TCAACTTGCT TTTTCCCATG CATGAAAAAT			TGTGCCTCAG	60 107
30	SEQ ID NO:2542 SEQUENCE LENGTH:112 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02916	acid	,		
35	SEQUENCE DESCRIPTION: GATCAGTAAG GATTTCACCT CATTCTTTTT CTCTCCTTCC				60 112
40	SEQ ID NO:2543 SEQUENCE LENGTH:109 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid			
45	CLONE: HUMGSO2917 SEQUENCE DESCRIPTION: GATCATAGAA GGTTGGGGTT TTCCCTACTT GCTGTATTCT			GATGTGGGAT	60 109
50	SFO ID NO-2544				

5	SEQUENCE LENGTH: 108 SEQUENCE TYPE: nucleic TOPOLOGY: linear CLONE: HUMGS02919 SEQUENCE DESCRIPTION: GATCCAGGAG ATANTTTTT GGGGAGACAA ATNTNAGAAC	CATTCATCCT			AGCAACTNCT	60 108
10	SEQ ID NO:2545 SEQUENCE LENGTH:343 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE:HUMGS02920 SEQUENCE DESCRIPTION: GATCGAGCCC AGCGTACAAC					60
20	GGAACTTCCG CAGCGGCCC TCCTGGGCAT CGTTGTCTGC GGAACAAGCG CTTCTACTGA CAATGTGAAC TTTTTTGGNT AACTGTTTCA AATAAAATGA	GCCGTGGTGG GTGGCGCCTC ACCGGGATTA	GGGCCGTGGT CGGCGGTGGC TAAANGAACA	GTTCCAGAAG CTGTCCCTGG ACAAGATGAC	CGGCAGGAGC GCCCAGGAGC	180 240
25	SEQ ID NO:2546 SEQUENCE LENGTH:107 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02921	acid				
30	SEQUENCE DESCRIPTION: GATCCTGCCG TGCCCCCATC GTTCCCTTCA GCCAACCCGT				NNNTNCGCCT	60 107
35	SEQ ID NO:2547 SEQUENCE LENGTH:105 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02922	acid				
40	SEQUENCE DESCRIPTION: GATCACTGAA CCAGACACAG AAGATTTCAA TAAAACTNCC				ATTATTTAAA	60 105
45	SEQ ID NO:2548 SEQUENCE LENGTH:103 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02923	acid				
50	SEQUENCE DESCRIPTION:					

	GATCCTGTGG GTTTAGTATC CTAAAGGAAG TTCATGTCAA			AGAGTAATAG	60 103
5	SEQ ID NO:2549 SEQUENCE LENGTH:104 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02924	acid			
	SEQUENCE DESCRIPTION: GATCCAGAGC TGGGGTGGAA TGCATGCACT GCATATNAAA			CGGTCAGTGC	60 104
15	SEQ ID NO:2550 SEQUENCE LENGTH:103 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid			
20	CLONE:HUMGS02925 SEQUENCE DESCRIPTION: GATCCCNAGG CTCTGTTCCA TTTGCTCTTA TAATTTTATT			AATGTAACTT	60 103
25	SEQ ID NO:2551 SEQUENCE LENGTH:102 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid			
30	CLONE: HUMGS02926 SEQUENCE DESCRIPTION: GATCGATGAG GCAGGTCAGT TGTAGTTTGA AACAGTAACT			CTAGTATTTT	60 102
35	SEQ ID NO:2552 SEQUENCE LENGTH:102 SEQUENCE TYPE:nucleic				
40	TOPOLOGY:linear CLONE:HUMGS02927 SEQUENCE DESCRIPTION: GATCATATCT AGTNTTNAAA GGACTCTAAA CTTTGGTTTA			CTCTGAAGAT	60 102
45	SEQ ID NO:2553 SEQUENCE LENGTH:101 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid			
50	CLONE: HUMGS02928 SEQUENCE DESCRIPTION:				

	GATCGAATGA GGGTTAAATO TAGTAAATNC TAAATAAATA				GCCTGGTACA	60 101
5	SEQ ID NO:2554 SEQUENCE LENGTH:390 SEQUENCE TYPE:nucleic	: acid				
10	TOPOLOGY:linear CLONE:HUMGS02929 SEQUENCE DESCRIPTION:					
	GATCCAGCTT ATTCTTTAT TACCCCTCCC TAAGCCCTTA GAGACCTGGG TGGTGNCTGA	GTGTGTGCCG	AGCTTGCTTT	NTGATGTTGG	CAGGGGAGGG	120
15	GCTTNNTTNN TAGGTTTTAT ACAGACTGTG TGGCCAGTTG TGGAGGCAGG GCCTGAGANC TTTGGACATT AAAGGTTGAT	TTNNNNATGA AAAGTGTCTT CCTGNCANAA	ATGTCCAAAT GGTTTGTGGT TCTCCTATGG	CTGTGTTTCC TCATCTCTCC	CCCTGCCANA CTCATTTTCT	240 300
20	SEQ ID NO:2555 SEQUENCE LENGTH:227					
25	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02930 SEQUENCE DESCRIPTION:	acid				
20	GATCTATCCT CAGCACTGCT ATCTCTAGCT GCCATTTGTG AATTGTATTA TATTTTTTGT	GGGGGAACAA ACTTATGTTT	AACAAGGGAA TATGTAAATA	TCCTGATTGT GTTTGTCTCA	GTACAGTATA	120
30	TGTGAGCATT GAAATAAATC SEQ ID NO:2556	CTACCATTTA	GGGGAAAAA	ATNNAAA		227
35	SEQUENCE LENGTH: 106 SEQUENCE TYPE: nucleic TOPOLOGY: linear CLONE: HUMGS02931 SEQUENCE DESCRIPTION:	acid				
40	GATCTTCAAA AATAATGCCT ATTTGTGATA TATGTATTAA				TATTGTGAAC	60 106
45	SEQ ID NO:2557 SEQUENCE LENGTH:99 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO2932	acid				
50	SEQUENCE DESCRIPTION: GATCTTTCTT ACACAGTGAT AATTGATACT GTAATCAATA			TGGCTTTATG	AAATATTGTG	60 99

5	SEQ ID NO:2558 SEQUENCE LENGTH:98 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02933	acid				
	SEQUENCE DESCRIPTION: GATCCTGGTT CCCTGTTTGG AACACGCTGT TGGTAATCTT	AAAATTCACC		CCTCACTGTT	CTTTGTAATT	60 98
10						
	SEQ ID NO:2559 SEQUENCE LENGTH:97 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
15	CLONE: HUMGS02934 SEQUENCE DESCRIPTION: GATCTGGGGA CCCTGACTGC	ACAGAACAGT	GGGCGCNTȚA	CAGACCACCG	ACCGCCCGAG	
	GGTGAATTAC ATCTTAATAA	AGCTACTGTG	AGAGAAA			97
25	SEQ ID NO:2560 SEQUENCE LENGTH:93 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02935	acíd				
	SEQUENCE DESCRIPTION: GATCGCCGCC AACATCCAGG CCTGCTGCCC AATAAAACCA			CGCCCCACCG	GCCCGCAGCC	60 93
30	CEO ID NO. OECI					
25	SEQ ID NO:2561 SEQUENCE LENGTH:92 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO2936	acid				
	SEQUENCE DESCRIPTION: GATCATCCCT TGACAGTAGT TATTTAATAA AGTCCCCCCC			ATTTGTCCCA	AANNCACCTA	60 92
40						J.
<b>4</b> 5	SEQ ID NO:2562 SEQUENCE LENGTH:91 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO2937	acid				
	SEQUENCE DESCRIPTION: GATCCACAAA ATGAGACAAT AGGAGCCTAA TAAACTTCCT			ATGTTCTAAA	CATGGAAACT	60 91

5	SEQ ID NO:2563 SEQUENCE LENGTH:96 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02938 SEQUENCE DESCRIPTION:	acid	•			
10	GATCGTATTT TTATATCATA TTAATAAAAA AGGCAAGATA			ATTGGTGTTA	GATGACATGA	60 96
75	SEQ ID NO:2564 SEQUENCE LENGTH:88 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02940 SEQUENCE DESCRIPTION:	acid				
20	GATCGCGCCA TCGCACTCTC AAAATAAAAT AAGTAAGNAA		ACAAGAGTGN	AACTCCATCT	CAAAAAAATA	60 88
25	SEQ ID NO:2565 SEQUENCE LENGTH:87 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02942 SEQUENCE DESCRIPTION: GATCTAATAT ATATCATCAG AAAATGAATA AAAATGATGA	AAAATATATA	TTGTATGTTT	ACTCTTATTT	TCAGAAAGAG	60 87
35	SEQ ID NO:2566 SEQUENCE LENGTH:87 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO2944 SEQUENCE DESCRIPTION: GATCGCTTGA NCCCAGGAGT CAAAAAATAC AGAAATNAGC	TTAAAACCAG	CCCGAGGAAC	ATGGCGAAAC	CCCATCTTTA	60 87
45	SEQ ID NO:2567 SEQUENCE LENGTH:86 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO2946 SEQUENCE DESCRIPTION: GATCTAAGGG GTTGCCATGG		TGCAACTTTT	TATTTAAAAA	AGCTCTGCAC	60
	TOCCATOTAT GAAACTNTCT					0.0

5	SEQ 1D NO:2568 SEQUENCE LENGTH:86 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02947	acid				
10	SEQUENCE DESCRIPTION: GATCCNGGAT TGCTGGGAAT AAAATAAAAC TTTTTTTTG		TGGGGTCATG	GCACAAGTTC	TGTAATCTTC	60 86
15	SEQ ID NO:2569 SEQUENCE LENGTH:85 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02948 SEQUENCE DESCRIPTION:	acid				
	GATCCTGGCC ACTATGCCAG GGGAACATGC CGCCTTCTCT	•	GCATCCCCCT	ACCCCGAGCC	CATGCAGTCT	60 85
20	SEQ ID NO:2570 SEQUENCE LENGTH:85 SEQUENCE TYPE:nucleic	acid				
25	TOPOLOGY:linear CLONE:HUMGS02949 SEQUENCE DESCRIPTION: GATCAAATTG TACTAGTGTC		GTCAGTACTC	GTCAAAGCCA	AGTCCAATTA	60
30	AAAAAAAAG TCTTTGCCCT	CCAAA				85
35	SEQ ID NO:2571 SEQUENCE LENGTH:85 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02950 SEQUENCE DESCRIPTION:	acid				
40	GATCTTTCT TTAAAATTTC TACTCTGCCC CAATTTCTAG		CAGGACTTCT	CATTTTCCAA	TAAATGGGTG	60 85
45	SEQ ID NO:2572 SEQUENCE LENGTH:85 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02951 SEQUENCE DESCRIPTION:	acid				
50	GATCTTTTAC CCCTTTCACT AAGATGACTC AGTTAAGGCA		TTATGTTGCT	TTCATGAATG	GAATNGAAAA	60 85

5	SEQ ID NO:2573 SEQUENCE LENGTH:84 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO2953	
10	SEQUENCE DESCRIPTION: GATCTGCCTG ATGGGAGGGC TCCTGTCGAG GGAGACAGAC ATATCCCCAC TGAAAA ATAAAATTGG TTTTACATAT CAAA	AATTA 60 84
15	SEQ ID NO:2574  SEQUENCE LENGTH:84  SEQUENCE TYPE:nucleic acid  TOPOLOGY:linear  CLONE:HUMGS02955  SEQUENCE DESCRIPTION:	
	GATCTGACTG GAAAACAATC CTGTATCCCC TCCCAAAGAA TCATGGGCTT TTTTTT TTAAAAAGCA GACAAATAGA CAAA	TNAN 60 84
20	SEQ ID NO:2575	
25	SEQUENCE LENGTH: 82 SEQUENCE TYPE: nucleic acid TOPOLOGY: linear CLONE: HUMGS02957 SEQUENCE DESCRIPTION:	
	GATCAAAAGA AACTTAAAAA GTGGAATGGG ATATGGCTTT TGGTACCTGA AAATAA	ATNC 60
30	TTTAATAATT GTAAGCCAGA AA	82
35	SEQ ID NO:2576 SEQUENCE LENGTH:82 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02958	
	SEQUENCE DESCRIPTION: GATCAAAAAT ATAGTTATAA TTTTNTAAAT TTNAAAAATG TGATTGCNCT AATAAA AAAANCTATG CTTTTAAACA AA	GAAT 60 82
40		
45	SEQ ID NO:2577  SEQUENCE LENGTH:85  SEQUENCE TYPE:nucleic acid  TOPOLOGY:linear  CLONE:HUMGS02959  SEQUENCE DESCRIPTION:	
	GATCACTGCA GNTTCTAGGA CCCGGTTTCT TTTACTGATT TAAAAACAAA ACAAAA ATAAAAAAGT TGTGCCTGNN ACAAA	AAAA 60 85
50		30

5	SEQ ID NO:2578 SEQUENCE LENGTH:81 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02960	acid				
10	SEQUENCE DESCRIPTION: GATCTCCCAT AATTTGAAAT TNAAAGGACA GAAACCTTAA		TTGTGTGGCT	CTGTATATTC	TGTTAAAAAA	60 81
15	SEQ ID NO:2579 SEQUENCE LENGTH:79 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02962	acid				
20	SEQUENCE DESCRIPTION: GATCCACCAT CTTATCTTGG AATGTTTCTT TCTGAGAAA	TGCCATCCCT	GACTTGGCTT	CTGTTCATAA	ATGCCTATTA	60 79
25	SEQ ID NO:2580 SEQUENCE LENGTH:79 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
30	CLONE: HUMGS02963 SEQUENCE DESCRIPTION: GATCCAATTG CTGGTTACAT ATAAACTGTT TAATATAAA	TTTGGGAAGC	TCTCATTTTA	GTGCTATGTA	GTTTCATTGA	60 79
35	SEQ ID NO:2581 SEQUENCE LENGTH:75 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02964	acid				
40	SEQUENCE DESCRIPTION: GATCTAAGAG GAAAGTGGTT TAGATTTTTG GCAAA	ATCGGTTGCN	NTTTATTTAT	AAAGGATGCA	AACATAAAAT	60 75
45	SEQ ID NO:2582 SEQUENCE LENGTH:73 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02965	acid				
	SEQUENCE DESCRIPTION: GATCAGCCTT TTTGTTTCAA GTGATATTGG AAA	TGAGGTGTCC	AACTGGCCCT	ATTTAGATGA	TAAAGAGACA	60 73

5	SEQ ID NO:2583 SEQUENCE LENGTH:72 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02966	acid				
10	SEQUENCE DESCRIPTION: GATCCCAGAG TGGCCTGCCT CATTTCTTTA AA	ATCACAACCA	CATCCCTTCC	CCCCACAAGG	CAATAAATCT	60 72
	SEQ ID NO:2584					
	SEQUENCE LENGTH: 72					
	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
15	CLONE: HUMGS02967					
	${\tt SEQUENCE\ DESCRIPTION:}$					
	GATCAACGAC AAAATGCACT GCCCCCCAGA AA	TCTCCCTCAA	GNAGTGAGGC	TTGGTCCAAT	ACATGGCTCT	60 72
20	deceecada aa					12
	SEQ ID NO:2585					
	SEQUENCE LENGTH: 72 SEQUENCE TYPE: nucleic	naid.				
25	TOPOLOGY: linear	aciu				
23	CLONE: HUMGS02968					
	SEQUENCE DESCRIPTION: GATCAATCTT GTATTTTCTG	ACCACATAAA	<i>የርርጥ</i> ምሮ <b>ተጥሮጥ</b>	CTTTCT 1 1 T 1	A 1 CT A C A A A A	co.
	GCTCTCCTCA AA	ACCACATAAA	GGCTTCTTCT	CITIGIAAIA	AAU I AUAAAA	60 72
30						
	SEQ ID NO: 2586					
	SEQUENCE LENGTH: 166 SEQUENCE TYPE: nucleic	acid				
35	TOPOLOGY: linear					
	CLONE: HUMGS02969					
	SEQUENCE DESCRIPTION: GATCTTGTTT CTGAAGATGG	TTTAAGTTAT	AGCTTCTTAA	ACGAAAGAAT	AAAATACTGC	60
	AAAATGTTTT TATATTTGGC				TGTCACCAAT	120
40	CATCACTGGT TCCTCCTTAA	AAATTAAAA	GTAACTTCTG	TGTAAA		166
	SEQ ID NO:2587					
	SEQUENCE LENGTH: 71					
45	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE: HUMGS02970					
	SEQUENCE DESCRIPTION:					
50	GATCATAGGA GAGACCCATT	NGCTAGCTAC	TTCATTCGTT	CTGACCTAAT	AATAAAAGTT	60

	AGAACCATAA A	71
5	SEQ ID NO:2588 SEQUENCE LENGTH:72 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02971	
10	SEQUENCE DESCRIPTION: GATCTGACGT TCCTTGTGAC TTAAGGGTCC GGCTTGGGAA TTAAAGTTTG TTTCTGGCCT TTAGCCTACA AA	60 72
15	SEQ ID NO:2589 SEQUENCE LENGTH:70 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
20	CLONE: HUNGS02972 SEQUENCE DESCRIPTION: GATCTGGCCA GTCAAGGGTC CACAGGGTGC CAGCCTCTCA CCCTCAGAAT AAAGACATCA GCCATTCAAA	60 70
25	SEQ ID NO:2590 SEQUENCE LENGTH:69 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02973	
30	SEQUENCE DESCRIPTION: GATCATCTAA ACTGAGTCCA GCTGCCTAAT TCTGAATATA TATATATATA TATATCTTTT CACCATAAA	60 69
35	SEQ ID NO:2591 SEQUENCE LENGTH:68 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02974	
40	SEQUENCE DESCRIPTION: GATCCTTATT ACAGGAAAAG CATGAGTGGT GGCTAACCTG ACCAATAAAG TTATTTTATG ATTGCAAA	60 68
45	SEQ ID NO:2592 SEQUENCE LENGTH:68 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02975	
50	SEQUENCE DESCRIPTION: GATCTTAGAT TTTATGTAGT ATTAAGTGAA AAAATACGAA AATAATAAAC ATTGAAGAAA	60

	AAAATAAA		,			68
5	SEQ ID NO:2593 SEQUENCE LENGTH:75 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02976	acid				
10	SEQUENCE DESCRIPTION: GATCACATTT TCTGTTGGTT TGTGTAAAAA GGAAA	AACATTNTTC	CTAGCTTATA	TGATGGAATT	AAATATATTC	60 75
15	SEQ ID NO:2594 SEQUENCE LENGTH:67 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02978	acid				
20	SEQUENCE DESCRIPTION: GATCCACCTA ACAAGAAACC TTTTTTN	TAAAGTGTAG	AGATTGCCAT	TTTNATTTGT	AATTTTTTT	60 67
25	SEQ ID NO:2595 SEQUENCE LENGTH:66 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02980	acid				
30	SEQUENCE DESCRIPTION: GATCACACAC CGGCTGTATT ATTAAA	TAATATGTAA	CATTTTCACA	NATATTAAAG	ANACAGAAGT	60 66
35	SEQ ID NO:2596 SEQUENCE LENGTH:65 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
40	CLONE:HUMGS02981 SEQUENCE DESCRIPTION: GATCAGCATG GGCCACGTAG GCAAA	NCGNGACTCC	ATCTCTACAC	ATAAATAAAA	AATTAGCTGG	60 65
45	SEQ ID NO:2597 SEQUENCE LENGTH:63 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
50	CLONE:HUMGS02982 SEQUENCE DESCRIPTION: GATCCAATTT ATGTTTTTTC	TTTNTTTATA	TTTTGGGGAA	AATTAAAATT	TTTTTAAGGT	60

, 55

	AAA	63
5	SEQ ID NO:2598 SEQUENCE LENGTH:61 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
10	CLONE:HUMGS02983 SEQUENCE DESCRIPTION: GATCACGCAA TAATGACTAT GTAATCTCAA AAAACAAATA AAATATTCTT AACATGGCAA A	60 61
15	SEQ ID NO:2599 SEQUENCE LENGTH:60 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02984	
20	SEQUENCE DESCRIPTION: GATCCAAGCA GTGTGTCACT ATATAACTGA TAAAAGCACT TGGTCTTNGA TTATCAGAAA	60
<b>25</b>	SEQ ID NO:2600 SEQUENCE LENGTH:58 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02985	
30	SEQUENCE DESCRIPTION: GATCATTTTG CACATAGCTT TATCAACTTT TAAACATTAA TAAACTGATT TTTTTAAA	58
35	SEQ ID NO:2601 SEQUENCE LENGTH:58 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02986 SEQUENCE DESCRIPTION:	
40	GATCTTTGCA GTTTTGNGAC AATTACAAGT AAAGCTGCTA TAAACATTTG TATGCAAA SEQ ID NO:2602 SEQUENCE LENGTH:74	58
45	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02987 SEQUENCE DESCRIPTION: GATCGACACG CAGCTAGCCT CCTGCATTGT ATGGTTATAA ATAGCACCCT AGTGAGTNCT GTCGTCCAGT CAAA	60 74
50	SEQ ID NO:2603	

5	SEQUENCE LENGTH:58 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02988 SEQUENCE DESCRIPTION: GATCCTGGGG CAACCCATCT		ATAAAGGTCA	AAGCTGGATT	CTCGCAAA	58
10	SEQ ID NO:2604 SEQUENCE LENGTH:56 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02989	acid				
15	SEQUENCE DESCRIPTION: GATCACGTTT CGTGTTCATA	CTCAACGTTA	ATAAAAGGAG	AGAGTTTGTA	GTGAAA	56
20	SEQ ID NO:2605 SEQUENCE LENGTH:55 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02990	acid				
25	SEQUENCE DESCRIPTION: GATCGCTGTG CCTGGCATAT	AGTAGGTGTT	CAATAAATGC	CCTGTGACTC	TCAAA	55
30	SEQ ID NO:2606 SEQUENCE LENGTH:59 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02991 SEQUENCE DESCRIPTION:				CTLCTC	50
35	GATCTATCCT CAACAACAAC SEQ ID NO:2607	AGAAAAAAGG	AATAAAATAT	CCTTTGTTTC	CTAGTGAAA	59
40	SEQUENCE LENGTH:54 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02992	acid				
•	SEQUENCE DESCRIPTION: GATCCATTTT AAAATTTGTA	ATTCAATAAA	GTTTTTTTG	TTGTTAAACA	TAAA	54
45	SEQ ID NO:2608 SEQUENCE LENGTH:53 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
50	CLONE: HUMGS02993 SEQUENCE DESCRIPTION:					•

	GATCTTGTAT TCAGTCAGGT	TAAAACAACG	GACAATAAAA	GAATGAACAC	AAA	53
5	SEQ ID NO:2609 SEQUENCE LENGTH:52 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
10	CLONE: HUMGS02994 SEQUENCE DESCRIPTION: GATCTGGGGT GGGAGTAACA	GGGCAGAAAT	GATTAAAATG	TTTGAGCACA	AA	52
15	SEQ ID NO:2610 SEQUENCE LENGTH:52 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
20	CLONE:HUMGS02995 SEQUENCE DESCRIPTION: GATCCTTTTT TTTTTCCACA	AAATTTTTAC	AAATAAAAA.	TGTTCCCCTA	AA	52
25	SEQ ID NO:2611 SEQUENCE LENGTH:52 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02996	acid				
30	SEQUENCE DESCRIPTION: GATCTCAAAG TGCCTTCTGA	AGCATCAGAG	ATTAAATATT	GTTCAAACTA	AA	52
35	SEQ ID NO:2612 SEQUENCE LENGTH:53 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02997 SEQUENCE DESCRIPTION:				A TIN	<b>5</b> 0
40	GATCTGAATG GGGCTTNCCT SEQ ID NO:2613 SEQUENCE LENGTH:50	GATGTTGGTA	TCTAAGGCTT	AGGCCTATAG	AIN	53
45	SEQUENCE TYPE: nucleic TOPOLOGY: linear CLONE: HUMGS02999 SEQUENCE DESCRIPTION: GATCTTGAAT GTATTTCTT		ATAGACATTT	TCACAATAAA		50
50	SEQ ID NO:2614 SEQUENCE LENGTH:50 SEQUENCE TYPE:nucleic	acid			•	

5	TOPOLOGY:linear CLONE:HUMGS03002 SEQUENCE DESCRIPTION: GATCTATCTG GAAAATGNAG	GACTCCGAAT	AAAAAGCTAT	TACTAATAAA		50
10	SEQ ID NO:2615 SEQUENCE LENGTH:51 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03005	acid				
15	SEQUENCE DESCRIPTION: GATCAGGGGA AATNTTTAAG	CTAAATAAAT	CTGGGGGGTT	TTTTATTCAA	A	51
20	SEQ ID NO:2616 SEQUENCE LENGTH:165 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03028 SEQUENCE DESCRIPTION:	acid				
25	GATCGAATGG TATATATAG ACATGGTTGA NTTTTTCAAG ATGGCAATCT CTGAAAGATG	CAAAAATCAG	TTCATCTTTT	GATGTAATTT		
30	SEQ ID NO:2617 SEQUENCE LENGTH:254 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03030 SEQUENCE DESCRIPTION:	acid				
35	GATCACATTT TAAGCATCTN TGTGGTCTCA GTGTTAACGG ACACTACTGA ACGAGCTCTG AATTCCTTGA NGTCCAGGTT CCGTCGTGGC CAAA	GATAATTCTG GCTGGTCCTT	CTACCGGCTC TCTATCCTGG	CTCCCTGATG ATGTGGTTCT	ATTCTNAAAT TCTGTGTAGC	120 180
40	Codicated Chan					201
45	SEQ ID NO:2618 SEQUENCE LENGTH:271 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03031	acid				
50	SEQUENCE DESCRIPTION: GATCAACCCC AGACTGGGCC AACGTTCTTT GGGTACTTTT TGGTGTAAAT CAAGCTTGAC GCAGCTGCTC ATACTGCAGT	TGTGGGTTGC TTAATGTGAT	AAATNAACTC TGTNACTGTT	AATTGCCACA ATATCCAGNC	AGTTTTAAAC TATACTGCTA	120 180

	TTAAACAATA AAATGAGCTA	TGCTACAGAA	A			271
	SEQ ID NO:2619					
5	SEQUENCE LENGTH: 489					
•	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03053					
	SEQUENCE DESCRIPTION:					
10	GATCCACAGC TTAAAGATGG	GAATTCAGGT	ATGAAAGAAA	ACAGGCAAGG	AGGCACTGAG	60
	GGAGAAAGAC ACAGACTTTA	TCGCTCTGTG	GCTCATTGTT	ACTGGAATAT	NCTAAAACTC	120
	TTGTNCACAT GCTATTATGA	CTTATAAAGC	AGCAACAGCT	GAGGCGCACC	AGGACACAGC	180
	TTCCATTTCT TTAACGTCTG	TNCCCTTAAC	ATCGCTGAAA	TNATTTACTG	TTGAAGAGAT	240
15	GCCTTGCGGT GTGGCCAGCT	GTGAGGAGAA	AGCAGCTGGC	AGTGTTAGGA	CATTAGTCCA	300
	CCTTCAGCGC AGGGTCTCTG	GCCGGGTCTG	ACTCAGAAAC	CTTGGTACTC	GNCCCTTGGN	360
	CACAGTGCCC AGACCCATGT	AACCNACTNG	NTCCTGCATT	AACCNAGAAA	TACCTCGGTT	420
	CTATNTGTGC ACTTAGCTGG	GGACTTACCC	ACTGTAATCA	CCTNAATNAA	NGGGTTNTAA	480
	ACATGGAAA					489
20						
	SEQ ID NO:2620					
	SEQUENCE LENGTH: 471	-				
	SEQUENCE TYPE:nucleic	acid				
25	TOPOLOGY: linear					
	CLONE: HUMGS03055					
	SEQUENCE DESCRIPTION:					
	GATCCAAAAC GCTTCGAGGC					
20	CCCAGTGTTA TATTCTGCCT					
30	CCTTGCGTCC CCAGGTTTGC					
	CTGTNTGACC TCCGTGCCTA					
	GTNTTCAGTG GGGGGCCCCC					
	GGCAAANACT GAATGTAANC					
35	CTNAACTNAG CTCCTTTAAC	•				
	TTTAACCTTG GTAACGGTTG	AAATCCAATT	AAAGNTTTAA	AAGTCATGAA	A	471
	SEQ ID NO:2621					
ÿ.	SEQUENCE LENGTH: 435					
40	SEQUENCE TYPE:nucleic					
	TOPOLOGY: linear	acid				
	CLONE: HUMGS03056					
	SEQUENCE DESCRIPTION:					
	GATCACCATT AAATCTGAAA	<b>ርጥል</b> የርጥጥጥ አ ል	AAATACTGAC	ል <b>ተ</b> ዋእርርተተር ▲	TACTCCCCCA	60
45	GGNATTTNAC GAAGNACCTG					
	GGGTGTCCTG GTACATGTNC					
	AGAGGNTGAT AAACTGGTGG					
	TGAGAGAGCA TAAGCCAAGG					
50	ATTNTGTGGG NTATATTGTT					
		CIRCURATION	TITIONIOTITI	Annagui I I	oomingouve	200

	TAATTTTNTC CCAAGCTNGN TTTAGGNTTT TNAAA	TTTTTTCAA	TANTGGTNAC	GTTGGNTAAA	TAAANNTTTT	420 435
5	SEQ ID NO:2622					
	SEQUENCE LENGTH: 411					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
10	CLONE: HUMGS03058					
	SEQUENCE DESCRIPTION:					
	GATCTCATCA GGGGAAGGCT					
	GCTGAAGTTG AACCCCAACT					
	TGCCCATGAG CTCCGCTACC					
15	ACCETCATCA CCCACACTCC					
	CTGCTCTCTC TTGGCACCCG					
	GGCAATGTGT TGAGTCATAT					
	TTTTCCATGA GCTCNTTGAG	GUACUAAGAA	ATAAACINGI	AAUUUTGTAA	A	411
20	SEQ ID NO:2623					
	SEQUENCE LENGTH: 410					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear	4014				
25	CLONE: HUMGS03059					
	SEQUENCE DESCRIPTION:					
	GATCCAGGCG GGATGGAGTG	TGGAGTGTGG	GCACAGTGGC	TTGTACAGGC	CTGGNCTGGG	60
	CAGACTTGCC CCGGAGTCTC					120
	CCAGGAGAGG AGAGGAGGC	CAGGCTGAGC	TGCATCTNTG	GACTCCAAGG	AGAGCTTGGA	180
30	GAGGTGACTG AAACCCTGCC	CCACCCCCAG	CCTGTNTCCA	TCTGTGGGTC	CTTGGGCAAA	240
	TTGCCTCATC TCTCTNAGCC	TCGAATGCGT	AGTTTCAGGA	CTAACTAGGG	TACTGTGTAC	300
	CAACTGCCTC TGCCAACGGC	CCTGCACTGG	GCANGCCTGG	GGTACCTGGG	CTTTGGGGNA	360
	AGGAAGTAGG CCTTNGGNAG	GAGGCTGGAT	TGCTTACAAT	TTTNTTTTTN		410
35						
	SEQ ID NO: 2624					
	SEQUENCE LENGTH: 408	.,				
	SEQUENCE TYPE:nucleic	acid				
40	TOPOLOGY:linear CLONE:HUMGS03060					
	SEQUENCE DESCRIPTION:					
	GATCTGCGGC CCATCTACAT	CTCTGTGCAG	CCCCCTTCAC	TCCACCTCCN	GGAGCAGCGG	60
	CTGCGGCAGG CATACACTGA					
45	CCGACATGGA GAGCAGCAAG					
	TGGACCAGGC CTACGCAGAG					
	GGACCGGCGC CTGAGGCTTG					
	CAGCAGCATT GAGCCACCCC					
	ATGTTGGAGT TGGAGGAGAT					408
50						

	SEQ ID NO: 2625					
	SEQUENCE LENGTH: 398					
	SEQUENCE TYPE:nucleic	acid				
5	TOPOLOGY: linear					
	CLONE: HUMGS03061					
	SEQUENCE DESCRIPTION:					
	GATCTCAACG AGACAAACGA	TGGGTGGACC	CGAACTCCCC	GGTGCTCTTN	GAGGACCCAG	60
	TCCTTTNTGC CTTGGCAAAA					
10	AGCTGCAGCG TGGGGTTGTG	GTCCTGGCCA	AGAGCTACAA	TNAGCAGCGC	ATCAGACAGA	180
	ACGTGCAGGT TTTTNANTTC	CAGTTGACTG	CAGAGGACAT	GAAAGCCATA	GATGGCCTAG	240
	ACAGAAATCT CCACTATTTT	AACAGTGATA	GTTTTGCTAG	CCACCCTAAT	TATCCATATT	300
	CAGATGANTA TTANCATGGA					
15	TGGGTGACGC AGAGGGACGT					398
	SEQ ID NO:2626					
	SEQUENCE LENGTH: 394					
	SEQUENCE TYPE:nucleic	acid				
20	TOPOLOGY:linear	•				
	CLONE: HUMGS03062					
	SEQUENCE DESCRIPTION:					
	GATCACAGCT GGGGGAAAAA	AAGCTTTTTA	ATTCTGTACC	TTCCTAGTAG	ATAAGTGAAG	60
25	AGCAGGGAAA GAGACCTTTA	AATATTTTNC	TATAAAAAA	TTTGTGATAA	GTTTCTATCA	120
	AAATGGGGAG ATTGCAGAAA	AGGCTTCCCT	TGGNTCCCAA	${\tt GGAGGTGTAG}$	CAGGTGTGAG	180
	CAATATTAGT GCCATGTGCC	TTTCACACAG	GGTTTGCATT	TATCAGTCTG	TTTTCCGATG	240
	NNNNGGTACA TGAAAGAGTA	CACCATGTGA	${\bf AGAGAAGAGA}$	${\tt GAATGATTGA}$	AAATGTTTTA	300
	GTATAGACCT CTTCTTGCAG	TGGGTTGCTA	TTTTCTAGAT	TTTACTTTTT	AGGGACCAAA	360
30	NTAAANTCCT TTGTTAAACN	TGGGTCAGNG	NAAA			394
	SEQ ID NO:2627					
	SEQUENCE LENGTH: 392					
35	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS03063					
	SEQUENCE DESCRIPTION:					
40	GATCGCACCA TTACACTCCA	GCCTGGGTGA	CAGAGAGAGA	CCCTGTGCCN	NTCAAAAAA	60
40	TGTTTTTTT AAACAAGAAT	CTCTCAGGCA	TACTGAAATN	TTGAAGAGGA	AATNATATTA	120
	ATATCTGGGA CTTGTTTCCA					
	AAAGAAACGA GGAGTTGGAA					
	TACTTCTGTA TATGTNGAAA					
45	CTTNCATTGT CTATCCTGTG			ATNNATACAT	AANGGGTCTT	
	CAACCTTNAN NTGGTCTTAT	CCANGGCATA	NN			392
	SEQ ID NO:2628					
50	SEQUENCE LENGTH: 385					*
50	SEQUENCE TYPE:nucleic	acid				

	TOPOLOGY: linear					
	CLONE: HUMGS03064					
	SEQUENCE DESCRIPTION:					
	GATCTGTAAT NATCTCTATT	CCCCTCCCCT	CCCTCTCCTA	T 4 4 4 T 4 4 C T T	TCTTC & C & TC	co
5	• • • • • • • • • • • • • • • • • • • •					60
	AAAAACACAG CCAGCCCAAG					
	TGCTTATNAC ATGAGCAATT					
	CACGCTGTAT ACCTAGATGA					
	TAAGGATTTT AAATAACTGC					
10	AAAAATTTGA AAGCTTTGGA	AAACCAAATT	TGTAATATCA	TTGTATTTTT	NATTAAAAGT	360
	TTTGTAATAA ATTTCTAAAT	TTAAA				385
	SEQ ID NO:2629					
15	SEQUENCE LENGTH: 385					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03065					
	SEQUENCE DESCRIPTION:					
20	GATCGGGGCC CTGGGGCTGT	NAGACCCCGA	CCNTCTCGAG	GAACCCTGCC	TGAAACGCCT	60
	CCATTACCAC TGCGCAGTGA					
	GGGNNGGNTC GCCAGCCACT					
	CTGGGCCGCT GAGGCCCGCG					
	ACCTNCCCCG CCCCTTTACT					
25						
	TGGCCTGCTG AAATATGTGT		AIIIAIIIIC	GNCAAAGCAC	AIGIAAIAAA	
	TGCTGCAGNC CNGCCTNTGC	CCAAA				385
	SEQ ID NO:2630					
30						
00	SEQUENCE LENGTH: 385	. ,				
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03066					
35	SEQUENCE DESCRIPTION:					
	GATCCCGGGN AGTNACAGGT	GCCGACGTGA	TGTCGCTTCT	NTGGTGCCCA	GCTCCCTTCC	60
	TGGTCTNANA CTAGCTCTGG	GGGTGGCGGG	GGCCCCCACA	CGCTGCTCCC	GCTCCACCCT	120
	GCCCGTNCTG CTGCTCTGTG	CCTGCTGTCA	GAGCCCTGGT	GGGGGAGGAT	GTGGCCACCC	180
	TGAGACCCGG AGGAGACGGG	CGTCTGCCTG	GNTTTGCGGA	GAGCNGCTTA	TGGGTGTGGT	240
40	CCGTCCAGAC ACCTTGTTTC	AAGGGGGATG	GGCGTNANGG	GCAAGCAGAG	CATCCCCACC	300
	GNTGAGCAAG AACTTTTTCT	TGTTTTTAAA	CCATCACGTC.	CTCATTTCAC	AATTGGAATA	360
	AAGTGAGTTT TTTGGAAACC	TGAAA				385
45	SEQ ID NO:2631					
45	SEQUENCE LENGTH: 381					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03067					
50	SEQUENCE DESCRIPTION:					:
-	DESCRIPTION.					

5	GATCGCAAGG AACTGGGCCG CCTACTACCC CGACCTGCCC ACCCCAGAAC AGCAGCAAGA 60 CATGGCCCAG TTCATACATT TATTTTCTAA GTTTTACCCC TGTAAGGAGT GTGCTGAAGA 120 CCTAAGAAAA AGGTTGTGCA GGAACCACCC AGACACCCGC ACCCGGGCAT GCTTCACACA 180 GTGGCTGTGC CCCNTGCACA ATGAAGTGAA CCGCAAGCTG GGCAAGCCTG ACTTCGACTG 240 CTCAAAAGTG GATGAGCGCT GGCGCGACGG CTGGAAGGAT GGCTCCTGTG ACTAGAGGGT 300 GGTCAGCCAG AGCTCATGGG ACAGCTAGCC AGGCATGGTT GGATAGGGGC AGGCCACTCA 360 TTAAAGTGCA TCACAGCCAA A 381
	SEQ ID NO:2632 SEQUENCE LENGTH:370 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
15	CLONE: HUMGS03068  SEQUENCE DESCRIPTION: GATCCGTAAG TCCATGACCA AGGAGGCCAT CCGAGAGCAC CANATGGCCC GCACTGGCGG 60 CACGAGACAG ACCTGTNCAC CTGCGGCAAG TGCAGGAAAA AGAACTGCAC CTACACACAG 120
20	GTGCAGACCC GCAGCTCTGA TGAGCCCATG ACCACCTTTN TTGTCTGCAA CGAGTGTGGA 180  AACCGCTGGA AGTTCTGCTG ACCCCTCGTG TAGATGTGCT GCAGCCTTGG GCCCTCCCCG 240  GCCCACGTCC TCCGTTGACA CAGCTTCTNT GGAGACCCTA GAAGGCGGCA TGTCCTGCCC 300  TCAACCTGCC TGCNTGGATT GCACCTTTCT GCCCTTTCCC CNTNATTATT AAATGTTTCT 360  TTTTGCCAAA 370
25	SEQ ID NO:2633 SEQUENCE LENGTH:344 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
30	CLONE:HUMGS03069 SEQUENCE DESCRIPTION: GATCTTCTTC AAGCCATTAT TTTAACTCAA GAAAACTCTA GAGAAGAAAA GTGAAGAAGT 60 CATGTTGAAG AAGATGTAAG AATGTGTCAA GACCATCCAG AAATNATATG AGAAATACTG 120
35	ATATTTTAAA TGGTTGACAT CATCCAGCGA AATGAATCTA CATTAAATGT TGTTTTAACT 180 GCGCTATGAT TAAAACCATT CATATAGAGT TAGTNTTTAC AACTACTATT CTGTTATTTT 240 TTTTTTAATC TGACAACATT TGTCCTAAGT AAGATAAGCA AAAAAATTCT TCAACTCCTT 300 TTGGCAAGAA AACTGTAACA GAAAATAANT TTTGAATGTG TACN 344
40	SEQ ID NO:2634 SEQUENCE LENGTH:341 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
45	CLONE: HUNGS03070  SEQUENCE DESCRIPTION:  GATCCCTGGT CCAGAATTCC ATTTACCTTC TGGGCCAGAT ACCACCAGAA TGCCCGCTCC 60  ANATTCCCTC AGACCTTTGC CGGTCCCATT ATTGGTCCTG GTGGTACAGC CAGTGCCAAC 120  TTCGCTGCCA ACTTTGGTGC CATTGGTTTC TTCTGGGTTG AGTGAGATGT TGGATATTGC 180
50	TATCAATCGC AGTAGTCTTT CCCCTGTGTG AGGCTGAAGC CTCAGATTCC TTCTAAACAC 240

	AGCTATCTAG AGAGCCACAT				ATTTATTTGC	300
	TGTTCCTTGG GCTACTGNTT	TTTTTCCCCT	TGTGTGCTGT	N		341
	CEO ID NO. 2625					
5	SEQ ID NO:2635 SEQUENCE LENGTH:340					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	acra				
	CLONE: HUMGS03071					
10	SEQUENCE DESCRIPTION:					
	GATCGNCAAG AAAATTNAGA	TTGGCGATGG	GGCAGAGCTG	ACGGCAGAGT	TCCTCTACGA	60
	CGAGGNGCAC CCCAAGCAAC	ACGNCTTCAA	GCAGGCCTTC	GCCAAGCCCA	AGGGCCCAGG	120
	GGGCAAGCGG GGCCATAAGC	GCCTCATCCG	NGGCCCGGGT	GAAAATGGGG	ATGACAGCTA	180
15	GGAGGCTGGA GCATNNGNCG	GCCACGTNTG	GACTGTGGGG	CTGCCCACCT	TCCGCTCCCT	240
15	GCCACCATCC TCCTTCCTGG	GCTCCAGGAA	AGTNTTTCTG	GGAGGTCAGG	AGGGCTGGCA	300
	GCTTGAACGC ACTTGCAGCG	TCCGANGGNC	ACCGGGCTTN			340
20	SEQ ID NO:2636					
20	SEQUENCE LENGTH: 335					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03072 SEQUENCE DESCRIPTION:					
25	GATCTGTCTG CNTTCCTCAA	GACCATTGCA	CTCAATGGTG	TGGAGGACGT	GCGAACCGTG	60
•	CTGGAGCACT ATGCCCTGGA					
	CTAGAGCAGG AGGAGCAGCA					
	TTCCTTGGCT CCCTCACCAG					
30	CTCCTCAAAC TCAGTGCCTG					
	CCACTINICC AATAAAGTAC					335
	SEQ ID NO:2637					
35	SEQUENCE LENGTH: 332					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03073					
40	SEQUENCE DESCRIPTION:	<b>で</b> なででなってかれる	TCC4444C44	*****	NTCCCTTT A A	60
,5	GATCCAGTTG TGAACAAAGA ACGGTGGATT GAAAATAACT					
	CANNAATCCT GTAGCGTGTA					
	GATTTGAAGG CCATTGTGAA					
	AGATATCATT GCATCACATT					
45	TATTAAAATA GCCTGTGCTA			IIMIMUCCOI	IMIMMM	332
	INTIMAMIA GOULGIGUIA	LIGIGICILA	AA.			
	SEQ ID NO:2638					
	SEQUENCE LENGTH: 335					
50	SEQUENCE TYPE: nucleic	acid				

5 10	TOPOLOGY:linear CLONE:HUMGS03074 SEQUENCE DESCRIPTION: GATCAAGAAT TTGGTGTGGA AAATCCCAAC AAAAAAATT AGTGCAAGTG ACCGACAAAA TTTGACAAAG AAAAATGATA CTTTTNGTTT TATTTTTTT AATAAACTTT CAACACTCTT	TAACTCCATA TTCCAGTTAT CTTCTCTTTT ACCAATTCCA	TGTGTTCCTC TTATTTCCAA TTNGCTGTTC ATTTCAAAAT	TTGTTCTAAT AATGTTTGGA CACCAANTAC	CTTGTCAACC AACAGTATAA AATTCAAATG	120 180 240
15	SEQ ID NO:2639 SEQUENCE LENGTH:384 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03075	acid				
20	SEQUENCE DESCRIPTION: GATCAAGCCT GCCTCAATCA CCAAATTNAG CTAGGGGGGT CCCCAGCTCT ATCCCAACCT GGCACCCCCA GAATGACCTG CTTCTGGGAA GACTCTGGTC	CAGCCAGCCC CTCCCAACTA GCCGCAGTGA AAGAAGCATC	TCTTCTGACA TAAAACTAGG GGCGGATTGA GTGTCTGGCG	CTAAAACACC TGCTGCAGCC GAAGGAGCTC TTGTGGGGAT	TCAGCTGCCT CCTGGGACCA CCAGGNGGGG GAACTTTTTG	120 180 240 300
25	TTTTGTTTCT TCCTTTTTTA TTTGTTGGCT AATCANTCCC		GATAGGGAGG	GNAGGGGGGA	ACCATGAGCC	360 384
30	SEQ ID NO:2640 SEQUENCE LENGTH:352 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03077 SEQUENCE DESCRIPTION:	acid			·	-
· 35	GATCAAAGGT TTAAAGTCTA AGAGAGAGTT ATGCTACAAT AAACAGCTGT CAGAACCTCG AGAAAGTTTG CCAGGNAAAA NGNGGNAAGC TTACTTNGTT	NATTTCTTGG AGAGCAGANC AANNGGCATC	TTTCCACTTG ATGAGAAACT ATTATTACCA	CAATGGTTAA CAGAGCTCTG TCGATTCAGT	TTAAGTCCAA GACCGAAAGC GCCTGGTTAA	180 240
40	AANGGTTTCC CAATTCCTTC					352
45	SEQ ID NO:2641 SEQUENCE LENGTH:321 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03078 SEQUENCE DESCRIPTION:	acid .				
50	GATCAAACAG CTCTAAGTAT TCACATAAGT GAAGAAATCT					60 120

	GCAACCTTAA AGTTTTGAAG	AAGACTGATG	AGACTAGGTG	CNNNGCTTCC	TTTCATCAGG	180
	TATCTTTCTG TGGCATTTGA	GAACAGAAAC	CAAGAAACAT	GGTAATTNCT	AANTTATGAG	240
	GCTTTGCTTT TTGTTTGCTT	TTAAGTAGAA	AACCATGTTG	GCAACATTGA	GTTTTGGNGT	300
5	TGATTGAGAT AATATGNCTT	N				321
	SEQ ID NO:2642					
	SEQUENCE LENGTH: 320					
10	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS03079					
	SEQUENCE DESCRIPTION:					
	GATCTTTGGC TGGAAAACTA					
15	GGACTTAATG TAGCATTGCA					
	AAAATGTGAG TGGAAAAAAT					
	TAGATTTATA TATGTATACA					
	CCAATTTTAT TAAATGTATT		TAAATTTAAAT	TGAGCTGCTA	TCAATATTAA	
20	ATGAAGTTAT GGCATCTAAA					320
	SEQ ID NO:2643					
	SEQUENCE LENGTH: 303					
	SEQUENCE TYPE: nucleic	acid				
25	TOPOLOGY:linear					
	CLONE: HUMGS03080					
	SEQUENCE DESCRIPTION:					
	GATCCCTTCG ATGTGGATTC					60
30	ACCCGGCTGC CCTCGGACAC					
	GAGCGCGGAG GAGCCAGCAG					
	GAGGCCAGGG CCCCGGCTGA					
	TTGCAGACAC ATATATTTT	GAGGCTGGGT	GACGAGAAAA	TCTAGAGACA	TGAGGGACAT	
	AAA					303
35	GPO ID NO.0044					
	SEQ ID NO:2644					
	SEQUENCE LENGTH: 315					
	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
40	CLONE: HUMGS03081					
	SEQUENCE DESCRIPTION:					
		<b>でかくですのかのす</b> 4	1001171700	<b>ምምምምም</b> ነር ምም	ሮሞ አ አ ርጥር ርጥር	cn
	GATCCAGACG CAAGANGGCT					60
AE	CTGCCAGCTT TATAATGGTG					
45	ACAAAGTGGA GTATCCTATC GCATTCAGCG AGCCCACCAG					
	CTGTTGGAGG TGTTTACCAC GGACGAGTTC TTTAN	CCCCRIAIAU	CITCIGGCCI	0000110000	IJUNIIUIII	315
50	070 ID NO. 0045					
	SEQ ID NO:2645					

	SEQUENCE LENGTH: 314					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03082					
5	SEQUENCE DESCRIPTION:					
	GATCCTTCTT GGCCCCAGAA	* CTC * TTTCC	CATCCCTCCA	CCCCCATCC	CATCCCCTTN	co
						60
	TGGATAACTA CTGTGAAGCA					
	CGCTGAGCAC GGGGAAGATT					
10	GTCCTATGTA TCGAAAACAG					
	TTCTTAAAAN GNGTTTTCAA	TTTTTCCTAA	TGNGAAGNGT	TGNCACTGAA	ATCTAAAATG	
	TTTANTTGTG NAAA					314
	SEQ ID NO:2646					
15	SEQUENCE LENGTH: 310					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	aciu				
	CLONE: HUMGS03083					
20	SEQUENCE DESCRIPTION:					
	•		CTTCCTTTTT	G#NG#G+GGG	1.0.1.0.0.0.mm	
	GATCACTGTG GACAGGGTGC					60
	CAGGGAAGGG ACCAATTAAT					
	TATAAAGTTC CTATTTCCAC					
25	ATCCCTCCTC CCTATCAAAC					
	AACTAAGTTC GACAGACTAT	TATTATCTTT	GTAATAAATT	AACCTAGCAA	TAAAAATTAT	300
	TCTGTNTAAA					310
	SEQ ID NO:2647					
30	SEQUENCE LENGTH: 308					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	aciu				
	CLONE: HUMGS03084					
35	SEQUENCE DESCRIPTION:	**************************************				
	GATCTATTAA GCTTGANACA					60
	GAGTCAGCTG GTTCCCAAGC					
	AATCTNCTTA TAGAATAACC		•••••			
	GTTTAATTTN CTATGTGCTT.					
40	AATACACAGT TCGTTTAGTT	ACTGTACACT	CTGTTTGTTC	AATAAACTGC	ATATCANCTT	300
	CCNACAAA					308
	SEQ ID NO:2648					
	SEQUENCE LENGTH: 302					
45	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	actu				
	CLONE: HUMGS03085			•		
	SEQUENCE DESCRIPTION:					
E0.	CATCACCACC CCCTCACCCC	1011010010	CT + C + COCTC	1000010001	*********	

		TCCTGGGAAG ATGCAGCTTT					
		GCTTCTGCCC CTGTCCTAGA				•	
		CAGCGCCCCA CCTGCTCTAG					
5		TTCCCACCTG ACTCCTCTCC	CCTCGTTTT	CCITCAATAA	ACIAIIIIGI	GICAGCIICA	
		AA					302
		SEQ ID NO:2649					
		SEQUENCE LENGTH: 302					
10		SEQUENCE TYPE: nucleic	acid				
		TOPOLOGY: linear					
		CLONE: HUMGS03086					
		SEQUENCE DESCRIPTION:					
15		GATCAGCGAG CTACCANGAC					60
		CCTGCTGACC ACAGTCACAT					
		AAGGAAGGGC TGGTCCTGCC					
		GAGGCTGTGT AGAGGCTCCT	GCTCCACCTG	CCAGTCTCGT	AAGANATGGG	GTTGCTGCAG	240
		TGTTGGAGTA GGGGCAGAGG	GAGGGAGCCA	AGGTCACTCC	AATAAAACAA	GCTCATGGCA	300
20		AA		•			302
		SEQ ID NO: 2650					
		SEQUENCE LENGTH: 303					
25		SEQUENCE TYPE: nucleic	acid				
		TOPOLOGY: linear					
		CLONE: HUMGS03087					
		SEQUENCE DESCRIPTION:					
30		GATCCCAGCT GATGTAGACC					60
30		CACTGTGAAT GGACCAAGGA					
		TGAAGAGAAG CCTGCTGTCA					
		TTTTTTAAAA CAAGAAAGTT					
	•	CTTATTAATG CTAAGGGCAG	GCCCAAATTA	TCAAGCTAAT	AAANTATCAT	TCAGCAACAG	
35		AAA					303
		SEQ ID NO:2651					
		SEQUENCE LENGTH: 296					
		SEQUENCE TYPE: nucleic	anid				
40		TOPOLOGY: linear	aciu				
		CLONE: HUMGS03088					
		SEQUENCE DESCRIPTION:					
		GATCTCAGCT GGAAGTTCTG	<b>ም</b> ምምርር አርርርር	A TTTCTCTN A	GACCCTGTAT	TTCAAATNTG	60
		CAGCTGAAAG GTGCTTGTAC					
45		GTGTGTAATG TGTACATCTG					
		TATTCTCTGC ATGCATGTAT					
		CCTTTCCCCT TGCAGGGGTT					296
			dideworigi	VAN I AAAUAU	MATAMUUMAU	* tomm	230
50		CEO ID NO.2652					•

5	SEQUENCE LENGTH:291 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03089	acid				
	SEQUENCE DESCRIPTION:					
	GATCTNACGG CCAGGCCTCT					
	AGGAAAGGAG GGAAGGCAAG					
10	AAGAGCAGAG CCTGAGAAGC					
	GGGGCCTCCT CCTGGGCCTC TGAGGGAGAA CGTNTCACCC					
	TUAUUUAUAA CUTNICACCC	AGNITINATO	AIGCIGGAAA	GAGIGIAIGI	N	291
	SEQ ID NO:2653					
15	SEQUENCE LENGTH: 290					
7.0	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS03090					
	SEQUENCE DESCRIPTION:					
20	GATCTAAAGG GTGTAAAAAT	ATTGATACTT	CAATATTTCA	CTTGCTGCCA	GGAAAAACAA	60
	AATTCTCAAT CTTTTGTAAA	TGGGAGGAGG	ACTTTTGCAT	ACATTTTAC	TCTTTAAATA	120
	ACGACAACGA CACTTATACT	GTCATAATAA	CAATNATGTA	TTTCTTTGTG	GTTTTAATTT	180
	TTTTTGTAAT TTTACATAAA	ACAGTTATTT	TCTATTTTNA	CGCAGATAAA	TATTTGTGCA	240
25	TAAAATGTAA AAATAGTAAA	ATGAGAAAAA	TAAAACTATT	ATACAGTAAA		290
	SEQ ID NO:2654					
	SEQUENCE LENGTH: 287					
	SEQUENCE TYPE:nucleic	acid .				
30	TOPOLOGY: linear	aciu				
	CLONE: HUMGS03091					
	SEQUENCE DESCRIPTION:					
	GATCTGTCCT CAGCTCTGGA	CCCAATTCCC	CTTACTTCAT	TTTGGCAAAC	ACTAAGTCAA	60
05	ATAGTGAAAT GCCTGTCACT					
35	GTTTCCTTCA TCTTGTGTAA					
	AAACCCTTTT NGGGATAAAG					
	TTGAGACTTT TCTGAATTGA					287
40	SEQ ID NO: 2655					
	SEQUENCE LENGTH: 287					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
45	CLONE: HUMGS03092					
	SEQUENCE DESCRIPTION:					
	GATCTGACCG GCTTCAAGCT					
	GACGCCCCTG ACGGCCGCGC					
50	CTTCAAGGAC GGTACCTTCG					
	GGAGGGAAAG CTCTTCCAGC	TUTALCCCAG	GAACTTCCTG	CUCTANTUG	CGGGGGAGGG	240

	GCGGCCTGCC CTCATCTCAT	TTCTATTAAA	CGNCTTTGCC	AGCTAAA		287
5	SEQ ID NO:2656 SEQUENCE LENGTH:341 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
10	CLONE:HUMGS03094 SEQUENCE DESCRIPTION: GATCGTGGAG GAGGGACAAC	CCTCCCACCC	NTTCGNCTGC	A AC ACCTGCC	CCTACGTGCA	60
	CAACATCACC CGCAAGGTAA					
	GCTTGGTGGA GCAGCTGCCT					
	CGAACATCCT CGTGCTTACT					
15	CACCTTCTAC AAGTGCTGCA					
	NTGGCCCAGC TGCCCTNGTG	TGTGCTTGCC	TTGTNCCTCN	N		341
	SEQ ID NO:2657					
	SEQUENCE LENGTH: 279					
20	SEQUENCE TYPE:nucleic	acid			٠,	
	TOPOLOGY: linear					
	CLONE: HUMGS03095 SEQUENCE DESCRIPTION:					
	GATCCACAAG GTTGTCTGCT	AAACCTCCTC	CTCCAAACCC	ACAGCCCAAG	CCTAAAAACC	60
25	CCCCTGCAAA GAAGGGAGAG					
	AGGAGGGGAA TAACCCTGCA			<del>-</del>		
	AAGGTGCTGG AGTTGCCAAG					
	CTGTACAATT TCAAATACTA	TTTTTTATCA	AGTTTTAAA			279
30			•			
	SEQ ID NO:2658					
	SEQUENCE LENGTH: 279					
	SEQUENCE TYPE:nucleic	acid				
35	TOPOLOGY: linear					
	CLONE: HUMGS03096					
	SEQUENCE DESCRIPTION: GATCTGAATG TNCAGTTCTA	CCCAACCTAC	ለ ጥጥጥጥ ለ <b>ጦ</b> ጥጥ	<i>ር እ እ ር ሞ ሞ ሞ ሞ ሞ</i> እ	ATC & CT ATC &	60
	CTTTCTGTGC TTAACTATTT					120
40	GAGATGACTA AAATTTGACA					-
	GATTAANGCA AGANGCCATT					
	GTTAGTATAC ACTACACGTA					279
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	SEQUENCE LENGTH: 274 SEQUENCE TYPE: nucleic					
	TOPOLOGY: linear	acıq				
	CLONE: HUMGS03097					
50	SEQUENCE DESCRIPTION:					٠

CCGCCTCTAT GCTTTTGGNT TCTTTGATAT ATCTAAACTT AAGGTCAGAA CAGAAATTCA 120 TGTGCTGAAC AGAATGGATT CTTTTTGCAG TACCAATCCA ATTGAATCCT CTTTTTATTT 180 TCCTGCGTCC TTACCAGTCA CTTTGATAGT GCTAACTAAC CTACACTATG GGGGTTATC 240 ATGANTTAAG TATGATAAA 259  SEQ ID NO:2661 SEQUENCE LENGTH:272 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03099 SEQUENCE DESCRIPTION: GATCTGTTT TGTAATACTG GTTGTAATTA ATTTTTTAA TTCATGAACN AGCGGAAAAT 60 TTATTAAATT AACTATTAAC CACATTCACC TTGTAAATGA CTGTATAAAA CTNGTNGACA 120 ATGCACTGAC TTTAGAAAGA TGTTAATGTG CATAANTNGA GTGTAAATAA NATAGTGTTG 180 ATGTACTGAN ATATGACCTG TATAANNOT ATTAGTAATT GTNTATGGGG TGTACCTGTT 240 TATCTGTAAC TGTNATCCAA ACAAATNAAA TN 272  35 SEQ ID NO:2662 SEQUENCE LENGTH:270 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03100 40 SEQUENCE DESCRIPTION: GATCTATCTG GNNTGTGCNT TAGACTNGAT GAGAAGGTGT GAACTCTGCA GAAAGTCTCT 60 CCTTCATCAC TGAATTCAGT CACTTGGAGA ACCTTGTGGA ATCCTGCA GAAAGTCTCT 60 CCTTCATCAC TGAATTCAGT CACTTGGAGA ACCTTGTGGA ATCCCTTTNC TTAGGCCCAA 180 CCTGGTCGAT AGCTCCAGAA AGANTNTTN CCAAGGAAAT GTCTCGGATA TGGGTACTGT 240 ATTTGAAAGC TGTTAGCTTT GTCAACACGN SEQUENCE LENGTH:268		UNICITIED ANNUCANUUC					ου
SEQ ID NO:2660 SEQUENCE LENGTH:259 SEQUENCE DESCRIPTION: GATCHGCGGACAAT ACGATTTAGT TAMAATCTCC TAMA  SEQ ID NO:2660 SEQUENCE DESCRIPTION: GATCHGCCTG CNTTGGCCTC CCAAGGTGCT GGGATTACAG GTGTGAGCCA CCACCCCCAG GO CCGCCTCTAT GCTTTTGCATT TATTTAGAACT TAGAACTAG GTGTGAGCCA CCACCCCCAG GO CCGCCTCTAT GCTTTTGCATT TATTTAGAACT AAGGTCAGAA CAGAAATTCA 120 TGTGCTGAAC AGAAAGGATT CTTTTGCAG TACCAATCCA ATTGAATCCT CTTTTATTT 180 TCCTGCGTCC TTACCAGTCA CTTTGATAGT GCTAACCAAC CTACACTATG GGGGTTATC 240 ATGANTAAG TATGATAAAA  250  SEQ ID NO:2661 SEQUENCE LENGTH:272 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO3099 SEQUENCE DESCRIPTION: GATCTGTGT TGTAATACTG GTTGTAATTA ATTTTTTAA TTCATGAACN AGCGGAAAAT 60 TTATTAAATT AACTATTAAC CACATTCACC TTGTAAATGA CTGTATAAAA CTNGTNGACA 120 ATGACTGAC TTTAGAACA TGTAAACA TATGACTGT TATAAAATT AACTATTAAC CACATTCACC TTGTAAATGA GTGTAAAAA NATAGTGTTG 180 ATGTACTGAN TATAGACCTG TATAANANGT ATTAGTAATT GINTATGGGG TGTACCTGT 240 TATACTGTAAC TGTNATCCAA ACAAATNAAA TN 272  35 SEQ ID NO:2663 SEQUENCE DESCRIPTION: GATCTATCTG GNNTGTGCNT TAGACTNGAT GAGAAAGTT GAACTCTGCA GAAAGTCTCT 60 CCTTCATCAC TGAATTCAGT CACTTGGGAA ACCTGTGGA ATCCCTTCA CAAAGACCC TGAAACACC TGAACAACTCA AAAATCCTAAC CGATGACCC 120 CAGAAAACCG TGTGAGAAT CACTTGGGAA ACCTGTGGA ATCCCTTCA GAAAGCCT TC GAAATTCAGT CACTTGGGAA ACCTGTGGA ATCCCTTTC TAGGCCCAA 180 CCTTCGTCA TAGGCTCAAA AGAANTNTTT CCAAGGAAAT GTCTCGACA TGGGTACCTGT 240 ATTTGAAACC TGTGTAGCTTT GTCAACACGN  SEQUENCE DESCRIPTION: GATCTATCTG GNNTGTGCNT TAGACCTNGAT GAGAAAGTTC AAATCCTTAC CGATGACCC 120 CAGAAAACCG TGTGAGATTC GTCACCGAGAA ACCTTGTGGA ATCCCTTTC TAGGCCCAA 180 CCTTCGTCAA ACCAAATNATAT CCAAGGAAAT GTCTCGGAA TGGGTACCTGT 240 ATTTGAAACC TGTTAGCTTT GTCAACACGN  SEQUENCE LENGTH:268		CCACTATNAG CTGCTGGCAG	TGGGTTTNTA	TTCGGTTCCC	AGGGGTTGAG	AGCATGCCTG	120
SEQ ID NO:2660 SEQUENCE LENGTH:259 SEQUENCE DESCRIPTION: GATCHGCGGACAAT ACGATTTAGT TAMAATCTCC TAMA  SEQ ID NO:2660 SEQUENCE DESCRIPTION: GATCHGCCTG CNTTGGCCTC CCAAGGTGCT GGGATTACAG GTGTGAGCCA CCACCCCCAG GO CCGCCTCTAT GCTTTTGCATT TATTTAGAACT TAGAACTAG GTGTGAGCCA CCACCCCCAG GO CCGCCTCTAT GCTTTTGCATT TATTTAGAACT AAGGTCAGAA CAGAAATTCA 120 TGTGCTGAAC AGAAAGGATT CTTTTGCAG TACCAATCCA ATTGAATCCT CTTTTATTT 180 TCCTGCGTCC TTACCAGTCA CTTTGATAGT GCTAACCAAC CTACACTATG GGGGTTATC 240 ATGANTAAG TATGATAAAA  250  SEQ ID NO:2661 SEQUENCE LENGTH:272 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO3099 SEQUENCE DESCRIPTION: GATCTGTGT TGTAATACTG GTTGTAATTA ATTTTTTAA TTCATGAACN AGCGGAAAAT 60 TTATTAAATT AACTATTAAC CACATTCACC TTGTAAATGA CTGTATAAAA CTNGTNGACA 120 ATGACTGAC TTTAGAACA TGTAAACA TATGACTGT TATAAAATT AACTATTAAC CACATTCACC TTGTAAATGA GTGTAAAAA NATAGTGTTG 180 ATGTACTGAN TATAGACCTG TATAANANGT ATTAGTAATT GINTATGGGG TGTACCTGT 240 TATACTGTAAC TGTNATCCAA ACAAATNAAA TN 272  35 SEQ ID NO:2663 SEQUENCE DESCRIPTION: GATCTATCTG GNNTGTGCNT TAGACTNGAT GAGAAAGTT GAACTCTGCA GAAAGTCTCT 60 CCTTCATCAC TGAATTCAGT CACTTGGGAA ACCTGTGGA ATCCCTTCA CAAAGACCC TGAAACACC TGAACAACTCA AAAATCCTAAC CGATGACCC 120 CAGAAAACCG TGTGAGAAT CACTTGGGAA ACCTGTGGA ATCCCTTCA GAAAGCCT TC GAAATTCAGT CACTTGGGAA ACCTGTGGA ATCCCTTTC TAGGCCCAA 180 CCTTCGTCA TAGGCTCAAA AGAANTNTTT CCAAGGAAAT GTCTCGACA TGGGTACCTGT 240 ATTTGAAACC TGTGTAGCTTT GTCAACACGN  SEQUENCE DESCRIPTION: GATCTATCTG GNNTGTGCNT TAGACCTNGAT GAGAAAGTTC AAATCCTTAC CGATGACCC 120 CAGAAAACCG TGTGAGATTC GTCACCGAGAA ACCTTGTGGA ATCCCTTTC TAGGCCCAA 180 CCTTCGTCAA ACCAAATNATAT CCAAGGAAAT GTCTCGGAA TGGGTACCTGT 240 ATTTGAAACC TGTTAGCTTT GTCAACACGN  SEQUENCE LENGTH:268		TGGGAGTCAT GGACATGAAG	GGATGCTGCA	ATGTAGGAAG	GAGAGCTCTT	TGTGAATGTA	180
TGCAGAAAAT ACATTTATT TAAAATCTCC TAAA  SEQ ID NO:2660 SEQUENCE LENGTH:259 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUNGS03098 SEQUENCE DESCRIPTION: GATCTGCCTG CNTTGGCCTC CCAAGGTGCT GGGATTACAG GTGTGAGGCA CCACCCCCAG 60 CCGCCTCATA GCTTTTGGNT TCTTTGATAT ATCTAAACTT AAGGTCAGAA CAGAAATTCA 120 TGTGCTGAAC AGAATGGATT CTTTGTGATAT ATCTAAACTA AAGGTCAGAA CAGAAATTCA 120 TGTGCTGAAC AGAATGGAT CTTTTGCAG TACCAATCCA ATGAATCCT CTTTTATTT 180 TCCTGCGTCC TTACCAGTCA CTTTGATAGT GCTAACTAAC CTACACTATG GGGGTTATC 240 ATGANTTAAG TATGATAAA 259  SEQ ID NO:2661 SEQUENCE LENGTH:272 SEQUENCE LENGTH:272 SEQUENCE DESCRIPTION: GATCTGTGTT TGTAATACTG GTTGTAATTA ATTTTTTAA TTCATGAACN AGCGGAAAAT 60 TTATAAATT AACTATTAAC CACATTCACC TTGTAAATGA CTGTATAAAA CTNGTNGACA 120 ATGCACTGAC TTTAGAAAGA TGTTAATGTG CATAANTNGA GTGTAAATAA NATAGTGTTG 180 ATGCACTGAC TTTAGAAAGA TGTTAATGTG CATAANTNGA GTGTAAATAA NATAGTGTTG 180 ATGCACTGAC TTTAGAAAGA TGTTAATGTG CATAANTNGA GTGTAAATAA NATAGTGTTG 180 ATGCACTGAC TGTNATCCAA ACAAATNAAA TN 272  35 SEQ ID NO:2662 SEQUENCE LENGTH:270 SEQUENCE DESCRIPTION: GATCTATCTG GNNTGTGCNT TAGACTNGAT GAGAAGGTGT GAACTCTGCA GAAAGTCTCT 60 CCTTCATCAC TGAATTCAGT CACTTGGAGA TGACACTTC AAATGCTAAC CGATGACCC 120 CAGAAAACCG TGTAGGATTC GTACCAAGA ACCTTGTGGA ATCCCTTTNC TTAGGCCCAA 180 CCTGGTCGAT AGCTCGAGAA AGANTNTTNT CCAAGGAAAT GTCTCGGATA TGGGTACTGT 240 ATTTGAAACG TGTTAGCTTT GTCAACACGN  SEQ ID NO:2663 SEQUENCE LENGTH:268	-						
SEQ ID NO:2660 SEQUENCE LENGTH:259 SEQUENCE TYPE:mucleic acid TOPOLOGY:linear CLONE:HUMGS03098 SEQUENCE DESCRIPTION: GATCTGCCTG CNTTGGCCTC CCAAGGTGCT GGGATTACAG GTGTGAGCCA CCACCCCCAG GO CCGCCTCTAT GCTTTTGGNT TCTTTGATAT ATCTAAACTT AAGGTCAGAA CAGAAATTCA 120 TGTGCTGAAC AGAATGGATT CTTTTTGCAG TACCAATCCA ATTGAATCCT CTTTTTATT 180 TCCTGCGTCC TTACCAGTCA CTTTGATAG GCTAACTAAC CTACACTATG GGGGTTATC 240 ATGANTTAAG TATGATAAA  259  SEQ ID NO:2661 SEQUENCE LENGTH:272 SEQUENCE TYPE:mucleic acid TOPOLOGY:linear CLONE:HUMGS03099 SEQUENCE DESCRIPTION: GATCTGTGTT TGTAATACTG GTTGTAATTA ATTTTTTAA TTCATGAACN AGCGGAAAAT 60 TTATTAAATT AACTATTAAC CACATTCACC TTGTAATGA CTGTATAAAA CTNGTNGACA 120 ATGCACTGAC TTTAGAAAGA TGTTAATGT CATAANNTG ATGTAATAAA ANATAGTGTTG 124 ATGTACTGAN ATATGACCTG TATAANNNGT ATTAGTAATT GTNTATGGGG TGTACCTGTT 240 ATGTACTGAA TATGACCTG TATAANNNGT ATTAGTAATT GTNTATGGGG TGTACCTGTT 240 TATCTGTAAC TGTNATCCAA ACAAATNAAA TN  272  35  SEQ ID NO:2662 SEQUENCE LENGTH:270 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03100 40 SEQUENCE DESCRIPTION: GATCTATCTG GNNTGTGCNT TAGACTNGAT GAGAAAGTGT GAAACTTC AAATGGTAC CCGATGACC 120 CAGAAAACCG TGTAGACTT CACTTGGAA TGACACTTC AAATGGTAA CCGATGACC 120 CAGAAAACCG TGTGAGATTC GTACCGAAGA ACCTTGTGGA ATCCCTTTNC TTAGGCCCAA 180 CCTGGTCGAT AGCTCGAGAA ACANTNTTN CCAAGGAAAT GTCTCTTTNC TTAGGCCCAA 180 CCTGGTCGAT AGCTCGAGAA ACANTNTTN CCAAGGAAAT GTCTCGTTTNC TTAGGCCCAA 180 CCTGGTCGAT AGCTCGAGAA ACANTNTTN CCAAGGAAAT GTCTCGGAT ATGGGTACTGT 240 ATTTGAAAGC TGTTAGCTTT GTCAACACGN  SEQ ID NO:2663 SEQUENCE LENGTH:268	5					0010/10/1111	
SEQUENCE LENGTH:259 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03098 SEQUENCE DESCRIPTION: GATCTGCCTG CNTTGGCCTC CCAAGGTGCT GGGATTACAG GTGTGAGCCA CCACCCCCAG 60 CCGCCTCATA GCTTTTGGNT TCTTTGATAT ATCTAAACTT AAGGTCAGAA CAGAAATTCA 120 TGTGGCTGAAC AGAATGGATT CTTTGGAT TACCAATCCA ATTGAATCCT CTTTTTATT 180 TCCTGCGTCC TTACCAGTCA CTTTGATAGT GCTACACTCA ATTGAATCCT CTTTTTATT 180 TCCTGCGTCC TTACCAGTCA CTTTGATAGT GCTAACCTACACTATG GGGGTTATTC 240 ATGANTTAAG TATGATAAAA 259  SEQ ID NO:2661 SEQUENCE LENGTH:272 SEQUENCE DESCRIPTION: GATCTGTGTT TGTAATACTG GTTGTAATTA ATTTTTTAA TTCATGAACN AGCGGAAAAT 60 TTATTAAATT AACTATTAAC CACATTCACC TTGTAATGA CTGTATAAAA CTNGTNGACA 120 ATGCACTGAC TTTAGAAAGA TGTTAAATGA CTGTATAAAAA CTNGTNGACA 120 ATGCACTGAC TTTAGAAAGA TGTTAATGTG CATAANTNGA GTGTAAATAA NATAGTGTTG 180 ATGTACTGAN ATATGACCTG TATAANNNGT ATTAGTAATT GTNTATGGGG TGTACCTGTT 240 TATCTGTAAC TGTNATCCAA ACAAATNAAA TN  272  35 SEQ ID NO:2662 SEQUENCE LENGTH:270 SEQUENCE DESCRIPTION: GATCTACTG GNNTGTGCNT TAGACTNGAT GAGAAGGTGT GAACTCTGCA GAAAGTCTCT 60 CCTTCATCAC TGAATTCAGT CACTTGGAGA TGACAACTTC AAATGCTACC CCGATGACCC 120 CAGAAAACGG TGTGAGATTC GTACCGAAGA AGAAGTTTT CACAGAAAT AGCCTTTNC TTAGGCCCAA 180 CCTGGTCGAT AGCTCGAGAA AGANTNTTTN CCAAGGAAAT GTCTCTTNC TTAGGGCCCAA 180 CCTGGTCGAT AGCTCGAGAA AGANTNTTN CCAAGGAAAT GTCTCGGATA TGGGTACCTC 240 ATTTGAAAGC TGTTAGCTTT GTCAACACGN SEQ ID NO:2663 SEQUENCE LENGTH:268		Ideadanai acaiiiiaii	IMMITTEE	IAAA			414
SEQUENCE LENGTH:259 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03098 SEQUENCE DESCRIPTION: GATCTGCCTG CNTTGGCCTC CCAAGGTGCT GGGATTACAG GTGTGAGCCA CCACCCCCAG 60 CCGCCTCATA GCTTTTGGNT TCTTTGATAT ATCTAAACTT AAGGTCAGAA CAGAAATTCA 120 TGTGGCTGAAC AGAATGGATT CTTTGGAT TACCAATCCA ATTGAATCCT CTTTTTATT 180 TCCTGCGTCC TTACCAGTCA CTTTGATAGT GCTACACTCA ATTGAATCCT CTTTTTATT 180 TCCTGCGTCC TTACCAGTCA CTTTGATAGT GCTAACCTACACTATG GGGGTTATTC 240 ATGANTTAAG TATGATAAAA 259  SEQ ID NO:2661 SEQUENCE LENGTH:272 SEQUENCE DESCRIPTION: GATCTGTGTT TGTAATACTG GTTGTAATTA ATTTTTTAA TTCATGAACN AGCGGAAAAT 60 TTATTAAATT AACTATTAAC CACATTCACC TTGTAATGA CTGTATAAAA CTNGTNGACA 120 ATGCACTGAC TTTAGAAAGA TGTTAAATGA CTGTATAAAAA CTNGTNGACA 120 ATGCACTGAC TTTAGAAAGA TGTTAATGTG CATAANTNGA GTGTAAATAA NATAGTGTTG 180 ATGTACTGAN ATATGACCTG TATAANNNGT ATTAGTAATT GTNTATGGGG TGTACCTGTT 240 TATCTGTAAC TGTNATCCAA ACAAATNAAA TN  272  35 SEQ ID NO:2662 SEQUENCE LENGTH:270 SEQUENCE DESCRIPTION: GATCTACTG GNNTGTGCNT TAGACTNGAT GAGAAGGTGT GAACTCTGCA GAAAGTCTCT 60 CCTTCATCAC TGAATTCAGT CACTTGGAGA TGACAACTTC AAATGCTACC CCGATGACCC 120 CAGAAAACGG TGTGAGATTC GTACCGAAGA AGAAGTTTT CACAGAAAT AGCCTTTNC TTAGGCCCAA 180 CCTGGTCGAT AGCTCGAGAA AGANTNTTTN CCAAGGAAAT GTCTCTTNC TTAGGGCCCAA 180 CCTGGTCGAT AGCTCGAGAA AGANTNTTN CCAAGGAAAT GTCTCGGATA TGGGTACCTC 240 ATTTGAAAGC TGTTAGCTTT GTCAACACGN SEQ ID NO:2663 SEQUENCE LENGTH:268		CEO ID NO. 2550					
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TOPOLOGY: Linear CLONE: HUMGS03098 SEQUENCE DESCRIPTION: GATCTGCCTG CNTTGGCCTC CCAAGGTGCT GGGATTACAG GTGTGAGCCA CCACCCCCAG GO CCGCCTCAT GCTTTTGGNT TCTTTGATAT ATCTAAACTT AAGGTCAGAA CAGAAATTCA 120 TGTGCTGAAC AGAATGGATT CTTTTGCAG TACCAATCCA ATTGAATCCT CTTTTATT 180 TCCTGCGTCC TTACCAGTCA CTTTGATAGT GCTAACTAAC CTACACTATG GGGGTTATC 240 ATGANTIAAG-TATGATAAAA 259  SEQ ID NO:2661 SEQUENCE LENGTH:272 SEQUENCE TYPE:nucleic acid TOPOLOGY: Linear CLONE: HUMGS03099 SEQUENCE DESCRIPTION: GATCTGTGTT TGTAATACTG GTTGTAATTA ATTTTTTAA TTCATGAACN AGCGGAAAAT 60 TTATTAAATT AACTATTAAC CACATTCACC TTGTAAATGA CTGTATAAAA CTNGTNGACA 120 ATGCACTGAC TTTAGAAAGA TGTTAATGTG CATAANTNAA GTGTAAATAA NATAGTGTTG 180 ATGTACTGAAA ATATGACCTG TATAANNNGT ATTAGTAATT GTNTATGGGG TGTACCTGTT 240 TATCTGTAAC TGTNATCCAA ACAAATNAAA TN 272  35 SEQ ID NO:2662 SEQUENCE DESCRIPTION: GATCTATCTG GNNTGTGCNT TAGAACTNGAT GAGAAGGTGT GAACTCTGCA GAAAGTCCT C CCTTCATCAC TGAATTCAGC ACACTTC AAATGCTAAC CCGATGACCC 120 CAGAAAACCG TGTGAGATTC GTACCGAAGA AGCTTC AAATGCTAAC CCGATGACCC 120 CAGAAAACCG TGTGAGATTC GTACCGAAGA ACCTTGGGA ATCCCTTTNC TTAGGCCCAA 180 CCTGGTCGAT AGCTCGAGAA AGANTNTTN CCAAGGAAAT GTCTCGGATA TGGGTACCTG 240 ATTTGAAAGC TGTTAGCTTT GTCAACACGN TGCCCTTTNC TTAGGCCCAA 180 CCTGGTCGAT AGCTCGAGAA AGANTNTTN CCAAGGAAAT GTCTCGGATA TGGGTACCTG 240 ATTTGAAAGC TGTTAGCTTT GTCAACACGN TGCCCTTTNC TTAGGCCCAA 180 SEQ ID NO:2663 SEQUENCE LENGTH:268	10	<u>.                                      </u>					
CLONE:HUMGSO3098 SEQUENCE DESCRIPTION: GATCTGCCTG CNTTGGCCTC CCAAGGTGCT GGGATTACAG GTGTGAGCCA CCACCCCCAG GO CCGCCTCAT GCTTTTGGNT TCTTTGATAT ATCTAAACTT AAGGTCAGAA CAGAAATTCA 120 TGTGCTGAAC AGAATGGATT CTTTTTGCAG TACCAATCCA ATTGAATCCT CTTTTTATT 180 TCCTGCGTCC TTACCAGTCA CTTTGATAGT GCTAACTAAC CTACACTATG GGGGTTATC 240 ATGANTTAAG TATGATAAAA 259  SEQ ID NO:2661 SEQUENCE LENGTH:272 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO3099 SEQUENCE DESCRIPTION: GATCTGTGTT TGTAATACTG GTTGTAATTA ATTTTTTAA TTCATGAACN AGCGGAAAAT 60 TTATTAAATT AACTATTAAC CACATTCACC TTGTAAATGA CTGTATAAAA CTNGTNGACA 120 ATGCACTGAC TTTAGAAAGA TGTTAATGTG CATAANTNGA GTGTAAATAA NATAGTGTTG 180 ATGTACTGAAA ATATGACCTG TATAANNNGT ATTAGTAATT GTNTATGGGG TGTACCTGTT 240 TATCTGTAAC TGTNATCCAA ACAAATNAAA TN 272  35 SEQ ID NO:2662 SEQUENCE DESCRIPTION: GATCTATCTG GNNTGTGCNT TAGAACTNGAT GAGAAGGTGT GAACTCTGCA GAAAGTCCT 60 CCTTCATCAC TGAATTCAGF CACTTGGAGA TGACAACTTC AAATGCTAAC CCGATGACCC 120 CAGAAAACCG TGTGGAGATT GTACCGAAGA ACCTTGTGGA ATCCCTTTNC TTAGGCCCAA 180 45 CCTGGTCGAT AGCTCGAGAA AGANTNTTN CCAAGGAAAT GTCTCGGATA TGGGTACCTG 240 ATTTGAAAGC TGTTAGCTTT GTCCAACACGN ACCTTCTTNC TTAGGCCCAA 180 SEQ ID NO:2663 SEQUENCE LENGTH:268	70		acıd				
SEQUENCE DESCRIPTION: GATCTGCCTG CNTTGGCCTC CCAAGGTGCT GGGATTACAG GTGTGAGCCA CCACCCCCAG 60 CCGCCCTCTAT GCTTTTGGNT TCTTTGATAT ATCTAAACTT AAGGTCAGAA CAGAAATTCA 120 TGTGCTGAAC AGAATGGATT CTTTTGCAG TACCAATCCA ATTGAATCCT CTTTTATTT 180 TCCTGCGTCC TTACCAGTCA CTTTGATAGT GCTAACTACC CTACACTATG GGGGTTATC 240 ATGANTTAAG TATGATAAA 259  SEQ ID NO:2661 SEQUENCE LENGTH:272 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03099 SEQUENCE DESCRIPTION: GATCTGTGIT TGTAATACTC GTTGTAATTA ATTTTTTTAA TTCATGAACN AGCGGAAAAT 60 TTATTAAATT AACTATTAAC CACATTCACC TTGTAAATGA CTGTATAAAA CTNGTNGACA 120 ATGCACTGAC TTTAGAAAGA TGTTAATGTG CATAANTNGA GTGTAAATAA NATAGTGTTG 180 ATGTACTGAA ATATGACCTG TATAANNNGT ATTAGTAATT GTNTATGGGG TGTACCTGTT 240 TATCTGTAAC TGTNATCCAA ACAAATNAAA TN 272  35 SEQ ID NO:2662 SEQUENCE LENGTH:270 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03100 40 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO3100 GATCTATCTG GNNTGTGCNT TAGACTNGAT GAGAAGGTGT GAACTCTGCA GAAAGTCCT 60 CCTTCATCAC TGAATTCAGT CACTTGGGA TGCACACTTC AAATGCTAAC CCGATGACCC 120 CAGAAAACCG TGTGAGATTC GTACCGAAGA ACCTTGTGGA ATCCCTTTNC TTAGGCCCAA 180 CCTGGTCGAT AGCTCGAGAA AGANTNTTTN CCAAGGAAAT GTCCCTTTNC TTAGGCCCAA 180 SEQ ID NO:2663 SEQUENCE LENGTH:268							
GATCTGCCTG CNTTGGCCTC CCAAGGTGCT GGGATTACAG GTGTGAGCCA CCACCCCCAG GO CCGCCTCTAT GCTTTTGGNT TCTTTGATAT ATCTAAACTT AAGGTCAGAA CAGAAATTCA 120 TGTGCTGAAC AGAATGGATT CTTTTTGCAG TACCAATCCA ATTGAATCC CTTTTTATTT 180 TCCTGCGCTC TTACCAGTCA CTTTGATAGT GCTACACTAC CTACACTATG GGGGTTATTC 240 ATGANTTAAG TATGATAAA 259  SEQ ID NO:2661 SEQUENCE LENGTH:272 SEQUENCE TYPE:nucleic acid  TOPOLOGY:linear CLONE:HUNGS03099 SEQUENCE DESCRIPTION: GATCTGTGTT TGTAATACTG GTTGTAATTA ATTTTTTAA TCATGAACN AGGGGAAAAT 60 TTATTAAAATT AACATTACA CACATTCACC TTGTAAATGA CTGTATAAAAA CTNGTNGACA 120 ATGCACTGAC TTTAGAAAGA TGTTAATGTG CATAAANNGA GTGTAAATAA NATAGTGTTG 180 ATGTACTGAN ATATGACCTG TATAAANNGT ATTAGTAATT GTNTATGGGG TGTACCTGTT 240 TATCTGTAAC TGTNATCCAA ACAAATNAAA TN 272  35 SEQ ID NO:2662 SEQUENCE LENGTH:270 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUNGS03100 40 SEQUENCE DESCRIPTION: GATCTACTG GNNTGGCNT TAGACTNGAT GAGAAAGGTGT GAACTCTGCA GAAAGTCCT 60 CCTTCATCAC TGAATTCAGT CACTTGGAGA TGACAACTTC AAATGGACC 120 CAGAAAACCG TGTGAGATTC GTACCGAAGA ACCTTGTGGA ATCCCTTTNC TTAGGCCCAA 180 CCTGGTCGAT AGCTCGAGAA AGANTNTTTN CCAAGGAAAT GTCCCGGATA TGGGTACCC 120 SEQ ID NO:2663 SEQUENCE LENGTH:268		CLONE: HUMGS03098					
CCGCCTCTAT GCTTTTGGNT TCTTTGATAT ATCTAAACTT AAGGTCAGAA CAGAAATTCA 120 TGTGCTGAAC AGAATGGATT CTTTTTGCAG TACCAATCCA ATTGAATCCT CTTTTTATTT 180 TCCTGCGTCC TTACCAGTCA CTTTGATAGT GCTAACTAAC CTACACTATG GGGGTTATC 240 ATGANTTAAG TATGATAAA 259  SEQ ID NO:2661 SEQUENCE LENGTH:272 SEQUENCE LENGTH:272 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03099 SEQUENCE DESCRIPTION: GATCTGTGTT TGTAATACTG GTTGTAATTA ATTTTTTAA TTCATGAACN AGCGGAAAAT 60 TTATTAAATT AACTATTAAC CACATTCACC TTGTAAATGA CTGTATAAAA CTNGTNGACA 120 ATGCACTGAC TTTAGAAAGA TGTTAATGTG CATAANTNGA GTGTAAATAA NATAGTGTTG 180 ATGTACTGAN ATATGACCTG TATAANNNOT ATTAGTAATT GTNTATGGGG TGTACCTGTT 240 TATCTGTAAC TGTNATCCAA ACAAATNAAA TN 272  35 SEQ ID NO:2662 SEQUENCE LENGTH:270 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03100 40 SEQUENCE DESCRIPTION: GATCTATCTG GNNTGTGCNT TAGACTNGAT GAGAAGGTGT GAACTCTGCA GAAAGTCTCT 60 CCTTCATCAC TGAATTCAGT CACTTGGAGA TGACAACTTC AAATGCTAAC CCGATGACCC 120 CAGAAAACCG TGTGAGATTC GTACCGAAGA ACCTTGTGGA ATCCCTTTNC TTAGGCCCAA 180 CCTGGTCGAT AGCTCGAGAA AGANTNTTTN CCAAGGAAAT GTCTCGGATA TGGGTACCTG 240 ATTTGAAAGC TGTTAGCTTT GTCAACACGN 3CTTGTGGA ATCCCTTTNC TTAGGCCCAA 180 CCTGGTCGAT AGCTCGAGAA AGANTNTTTN CCAAGGAAAT GTCTCGGGATA TGGGTACTGT 240 ATTTGAAAGC TGTTAGCTTT GTCAACACGN 3CTTGTGGA ATCCCTTTNC TTAGGCCCAA 180 SEQUENCE LENGTH:268		SEQUENCE DESCRIPTION:					
CCGCCTCTAT GCTTTTGGNT TCTTTGATAT ATCTAAACTT AAGGTCAGAA CAGAAATTCA 120 TGTGCTGAAC AGAATGGATT CTTTTTGCAG TACCAATCCA ATTGAATCCT CTTTTTATTT 180 TCCTGCGTCC TTACCAGTCA CTTTGATAGT GCTAACTAAC CTACACTATG GGGGTTATC 240 ATGANTTAAG TATGATAAA 259  SEQ ID NO:2661 SEQUENCE LENGTH:272 SEQUENCE LENGTH:272 SEQUENCE DESCRIPTION: GATCTGTGTT TGTAATACTG GTTGTAATTA ATTTTTTAA TTCATGAACN AGCGGAAAAT 60 TTATTAAATT AACTATTAAC CACATTCACC TTGTAAATGA CTGTATAAAA CTNGTNGACA 120 ATGCACTGAC TTTAGAAAGA TGTTAATGTG CATAANTNGA GTGTAAATAA NATAGTGTTG 180 ATGTACTGAN ATATGACCTG TATAANNNGT ATTAGTAATT GTNTATGGGG TGTACCTGTT 240 TATCTGTAAC TGTNATCCAA ACAAATNAAA TN 272  35 SEQ ID NO:2662 SEQUENCE LENGTH:270 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUNGS03100  40 SEQUENCE DESCRIPTION: GATCTATCTG GNNTGTGCNT TAGACTNGAT GAGAAGGTGT GAACTCTGCA GAAAGTCTCT 60 CCTTCATCAC TGAATTCAGT CACTTGGAGA TGACAACTTC AAATGCACAC CCGATGACCC 120 CAGAAAACCG TGTGAGATTC GTACCGAAGA ACCTTGTGGA ATCCCTTTNC TTAGGCCCAA 180 CCTGGTCGAT AGCTCCAGAA AGANTNTTN CCAAGGAAAT GTCCTGGATA TGGGTACTGT 240 ATTTGAAAGC TGTTAGCTTT GTCAACACGN TGCCGGATA TGGGTACTGT 240 ATTTGAAAGC TGTTAGCTTT GTCAACACGN TCCCGGATA TGGGTACTGT 240 ATTTGAAAGC TGTTAGCTTT GTCAACACGN TCCCGGATA TGGGTACTGT 240 ATTTGAAAGC TGTTAGCTTT GTCAACACGN TCCCGGATA TGGGTACTGT 240 ATTTGAAAGC TGTTAGCTTT GTCAACACGN	15	GATCTGCCTG CNTTGGCCTC	CCAAGGTGCT	GGGATTACAG	GTGTGAGCCA	CCACCCCCAG	60
TGTGCTGAAC AGAATGGATT CTTTTTGCAG TACCAATCCA ATTGAATCCT CTTTTTATTT 180 TCCTGCGTCC TTACCAGTCA CTTTGATAGT GCTAACTCAAC CTACACTATG GGGGTTATTC 240 ATGANTIAAG TATGATAAA 259  SEQ ID NO: 2661 SEQUENCE LENGTH: 272 SEQUENCE TYPE: nucleic acid  TOPOLOGY: linear CLONE: HUMGS03099 SEQUENCE DESCRIPTION: GATCTGTGTT TGTAATACTG GTTGTAATTA ATTTTTTTAA TTCATGAACN AGCGGAAAAT 60 TTATTAAATT AACTATTAAC CACATTCACC TTGTAAATGA CTGTATAAAA CTNGTNGACA 120 ATGCACTGAC TTTAGAAAGA TGTTAATGTG CATAANNAG GTGTAAATAA NATAGTGTTG 180 ATGTACTGAN ATATGACCTG TATAANNNGT ATTAGTAATT GTNTATGGGG TGTACCTGTT 240 TATCTGTAAC TGTNATCCAA ACAAATNAAA TN 272  35 SEQ ID NO: 2662 SEQUENCE LENGTH: 270 SEQUENCE LENGTH: 270 SEQUENCE DESCRIPTION: GATCTATCTG GNNTGTGCNT TAGACTNGAT GAGAAGGTGT GAACTCTGCA GAAAGTCTCT 60 CCTTCATCAC TGAATTCAGT CACTTGGAGA TGACAACTTC AAATGCTAAC CCGATGACCC 120 CAGAAAACCG TGTGAGATTC GTACCGAAGA ACCTTGTGGA ATCCCTTTNC TTAGGCCCAA 180 CCTGGTCGAT AGCTCGAGAA AGANTNTTN CCAAGGAAAT GTCTCGGATA TGGGTACTGT 240 ATTTGAAAGC TGTTAGCTTT GTCAACACGN TGCGAGAAT GTCTCGGATA TGGGTACTGT 240 ATTTGAAAGC TGTTAGCTTT GTCAACACGN TCCAGGAAAT GTCTCGGATA TGGGTACTGT 240 ATTTGAAAGC TGTTAGCTTT GTCAACACGN TCCAGGAAAT GTCTCGGATA TGGGTACTGT 240 ATTTGAAAGC TGTTAGCTTT GTCAACACGN TCCCGGATA TGGGTACTGT 240 ATTTGAAAGC TGTTAGCTTT GTCAACACGN TCCAGGAAAT GTCTCGGATA TGGGTACTGT 240 ATTTGAAAGC TGTTAGCTTT GTCAACACGN TCCGGATA TGGGTACTGT 240 ATTTGAAAGC TGTTAGCTTT GTCAACACGN TCCAGGAAAT GTCTCGGATA TGGGTACTGT 240 ATTTGAAAGC TGTTAGCTTT GTCAACACGN TCCCGAGAAT GTCTCGGATA TGGGTACTGT 240 ATTTGAAAGC TGTTAGCTTT GTCAACACGN TCCTGGAGAAT GTCTCGGATA TGGGTACTGT 240 ATTTGAAAGC TGTTAGCTTT GTCAACACGN TCCTGGAGAAT GTCTCGGATA TGGGTACTGT 240 ATTTGAAAGC TGTTAGCTTT GTCAACACGN TCCTGGAGAAT GTCTCGGATA TGGGTACTGT 240 ATTGAAAGC TGTTAGCTTT GTCAACACGN TCCAGGAAAT GTCTCGGATA TGGGTACTGT 240 ATTGAAAGC TGTTAGCTTT GTCAACACGN TCCTGAGA TCCCGGAGAAT GTCTCGGAGA TGGGTACTGT 240 ATTGAAAGC TGTTAGCTTT GTCAACACGN TCCTTTAGCTTT TCCAGGAGAT TGCGAGAAT TGCTTTTATTTTTTTTTT		CCGCCTCTAT GCTTTTGGNT	TCTTTGATAT	ATCTAAACTT	AAGGTCAGAA	CAGAAATTCA	120
TCCTGCGTCC TTACCAGTCA CTTTGATAGT GCTAACTAAC CTACACTATG GGGGTTATTC 240 ATGANTAAG TATGATAAA 259  SEQ ID NO:2661 SEQUENCE LENGTH:272 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03099 SEQUENCE DESCRIPTION: GATCTGTGTT TGTAATACTG GTTGTAATTA ATTTTTTAA TTCATGAACN AGCGGAAAAT 60 TTATTAAATT AACTATTAAC CACATTCACC TGTAAATGA CTGTATAAAA CTNGTNGACA 120 ATGCACTGAC TTTAGAAAGA TGTTAATGTG CATAANTNGA GTGTAAATAA NATAGTGTTG 180 ATGTACTGAN ATATGACCTG TATAANNNGT ATTAGTAATT GTNTATGGGG TGTACCTGTT 240 TATCTGTAAC TGTNATCCAA ACAAATNAAA TN 272  SEQ ID NO:2662 SEQUENCE LENGTH:270 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03100  40 SEQUENCE DESCRIPTION: GATCTATCTG GNNTGTGCNT TAGACTNGAT GAGAAGGTGT GAACTCTGCA GAAAGTCTCT 60 CCTTCATCAC TGAATTCAGT CACTTGGAGA TGACAACTTC AAATGCTAAC CCGATGACCC 120 CAGAAAAACCG TGTGAGATTC GTACCGAAGA ACCTTGTGGA ATCCCTTTNC TTAGGCCCAA 180 CCTGGTCGAT AGCTCGAGAA AGANTNTTTN CCAAAGGAAAT GTCTCGGATA TGGGTACTGT 240 ATTTGAAAGC TGTTAGCTTT GTCAACACGN  SEQ ID NO:2663 SEQUENCE LENGTH:268							
SEQ ID NO:2661 SEQUENCE LENGTH:272 SEQUENCE TYPE:nucleic acid  TOPOLOGY:linear CLONE:HUNGS03099 SEQUENCE DESCRIPTION: GATCTGTGTT TGTAATACT GTTGTAATTA ATTTTTTAA TTCATGAACN AGCGGAAAAT 60 TTATTAAATT AACTATTAAC CACATTCACC TTGTAAATGA CTGTAAAAA CTNGTNGACA 120 ATGCACTGAC TTTAGAAAGA TGTTAATGTG CATAANTNGA GTGTAAATAA NATAGTGTTG 180 ATGTACTGAN ATATGACCTG TATAANNNGT ATTAGTAATT GTNTATGGGG TGTACCTGTT 240 TATCTGTAAC TGTNATCCAA ACAAATNAAA TN 272  35 SEQ ID NO:2662 SEQUENCE LENGTH:270 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUNGS03100  40 SEQUENCE DESCRIPTION: GATCTATCTG GNNTGTGCNT TAGACTNGAT GAGAAGGTGT GAACTCTGCA GAAAGTCTCT 60 CCTTCATCAC TGAATTCAGT CACTTGGAGA TGACAACTTC AAATGCTAAC CCGATGACCC 120 CAGAAAACCG TGTGAGATTC GTACCGAGA ACCTTGTGGA ATCCCTTNC TTAGGCCCAA 180 CCTGGTCGAT AGCTCCGAGAA AGANTNTTTN CCAAGGAAAT GTCTCGGATA TGGGTACTGT 240 ATTTGAAAGC TGTTAGCTTT GTCAACACGN  SEQ ID NO:2663 SEQUENCE LENGTH:268							
SEQ ID NO:2661 SEQUENCE LENGTH:272 SEQUENCE TYPE:nucleic acid  TOPOLOGY:linear CLONE:HUNGS03099 SEQUENCE DESCRIPTION: GATCTGTGTT TGTAATACTG GTTGTAATTA ATTTTTTTAA TTCATGAACN AGCGGAAAAT 60 TTATTAAATT AACTATTAAC CACATTCACC TTGTAAATGA CTGTATAAAA CTNGTNGACA 120 ATGCACTGAC TTTAGAAAGA TGTTAATGTG CATAANTNGA GTGTAAATAA NATAGTGTTG 180 ATGTACTGAA ATATGACCTG TATAANNNGT ATTAGTAATT GTNTATGGGG TGTACCTGTT 240 TATCTGTAAC TGTNATCCAA ACAAATNAAA TN 272  35 SEQ ID NO:2662 SEQUENCE LENGTH:270 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUNGS03100 40 SEQUENCE DESCRIPTION: GATCTATCTG GNNTGTGCNT TAGACTNGAT GAGAAGGTGT GAACTCTGCA GAAAGTCTCT 60 CCTTCATCAC TGAATTCAGT CACTTGGAGA TGACAACTTC AAATGCTAAC CCGATGACCC 120 CAGAAAACCG TGTGAGATTC GTACCGAAGA ACCTTGTGGA ATCCCTTTNC TTAGGCCCAA 180 CCTGGTCGAT AGCTCGAGAA AGANTNTTN CCAAGGAAAT GTCTCGGATA TGGGTACTGT 240 ATTTGAAAGC TGTTAGCTTT GTCAACACGN  SEQ ID NO:2663 SEQUENCE LENGTH:268			•	001111111111		00001111110	
SEQUENCE LENGTH:272 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03099 SEQUENCE DESCRIPTION: GATCTGTGTT TGTAATACTG GTTGTAATTA ATTTTTTTAA TTCATGAACN AGCGGAAAAT 60 TTAATAAAT AACTATTAAC CACATTCACC TTGTAAATGA CTGTAATAAA CTNGTNGACA 120 ATGCACTGAC TTTAGAAAGA TGTTAATGTG CATAANTNGA GTGTAAATAA NATAGTGTTG 180 ATGTACTGAN ATATGACCTG TATAANNNGT ATTAGTAATT GTNTATGGGG TGTACCTGTT 240 TATCTGTAAC TGTNATCCAA ACAAATNAAA TN 272  35 SEQ ID NO:2662 SEQUENCE LENGTH:270 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03100 SEQUENCE DESCRIPTION: GATCTATCTG GNNTGTGCNT TAGACTNGAT GAGAAGGTGT GAACTCTGCA GAAAGTCTCT 60 CCTTCATCAC TGAATTCAGT CACTTGGAGA TGACCACTTC AAATGCTAAC CGAGACCC 120 CAGAAAACCG TGTGAGATTC GTACCGAAGA ACCTTGTGGA ATCCCTTTNC TTAGGCCCAA 180 ATTTGAAAGC TGTTAGCTTT GTCAACACGN 270  SEQ ID NO:2663 SEQUENCE LENGTH:268	20	***************************************					200
SEQUENCE LENGTH:272 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03099 SEQUENCE DESCRIPTION: GATCTGTGTT TGTAATACTG GTTGTAATTA ATTTTTTTAA TTCATGAACN AGCGGAAAAT 60 TTAATAAAT AACTATTAAC CACATTCACC TTGTAAATGA CTGTAATAAA CTNGTNGACA 120 ATGCACTGAC TTTAGAAAGA TGTTAATGTG CATAANTNGA GTGTAAATAA NATAGTGTTG 180 ATGTACTGAN ATATGACCTG TATAANNNGT ATTAGTAATT GTNTATGGGG TGTACCTGTT 240 TATCTGTAAC TGTNATCCAA ACAAATNAAA TN 272  35 SEQ ID NO:2662 SEQUENCE LENGTH:270 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03100 SEQUENCE DESCRIPTION: GATCTATCTG GNNTGTGCNT TAGACTNGAT GAGAAGGTGT GAACTCTGCA GAAAGTCTCT 60 CCTTCATCAC TGAATTCAGT CACTTGGAGA TGACCACTTC AAATGCTAAC CGAGACCC 120 CAGAAAACCG TGTGAGATTC GTACCGAAGA ACCTTGTGGA ATCCCTTTNC TTAGGCCCAA 180 ATTTGAAAGC TGTTAGCTTT GTCAACACGN 270  SEQ ID NO:2663 SEQUENCE LENGTH:268		SEO ID NO-2661					
SEQUENCE TYPE:nucleic acid  TOPOLOGY:linear CLONE:HUMGS03099 SEQUENCE DESCRIPTION: GATCTGTGTT TGTAATACTG GTTGTAATTA ATTTTTTTAA TTCATGAACN AGCGGAAAAT 60 TTATTAAATT AACTATTAAC CACATTCACC TTGTAAATGA CTGTATAAAA CTNGTNGACA 120 ATGCACTGAC TTTAGAAAGA TGTTAATGTG CATAANTNGA GTGTAAATAA NATAGTGTTG 180 ATGTACTGAN ATATGACCTG TATAANNNGT ATTAGTAATT GTNTATGGGG TGTACCTGTT 240 TATCTGTAAC TGTNATCCAA ACAAATNAAA TN 272  35 SEQ ID NO:2662 SEQUENCE LENGTH:270 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03100 40 SEQUENCE DESCRIPTION: GATCTATCTG GNNTGTGCNT TAGACTNGAT GAGAAGGTGT GAACTCTGCA GAAAGTCTCT 60 CCTTCATCAC TGAATTCAGT CACTTGGAGA TGACAACTTC AAATGCTAAC CCGATGACCC 120 CAGAAAACCG TGTGAGATTC GTACCGAAGA ACCTTGTGGA ATCCCTTTNC TTAGGCCCAA 180 CCTGGTCGAT AGCTCGAGAA AGANTNTTTN CCAAAGGAAAT GTCTCGGATA TGGGTACTGT 240 ATTTGAAAGC TGTTAGCTTT GTCAACACGN SEQ ID NO:2663 SEQUENCE LENGTH:268		• • • • • • • • • • • • • • • • • • • •					
TOPOLOGY:linear CLONE:HUMGS03099 SEQUENCE DESCRIPTION: GATCTGTGTT TGTAATACTG GTTGTAATTA ATTTTTTTAA TTCATGAACN AGCGGAAAAT 60 TTATTAAATT AACTATTAAC CACATTCACC TTGTAAATGA CTGTATAAAA CTNGTNGACA 120 ATGCACTGAC TTTAGAAAGA TGTTAATGTG CATAANTNGA GTGTAAATAA NATAGTGTTG 180 ATGTACTGAN ATATGACCTG TATAANNNGT ATTAGTAATT GTNTATGGGG TGTACCTGTT 240 TATCTGTAAC TGTNATCCAA ACAAATNAAA TN 272  35 SEQ ID NO:2662 SEQUENCE LENGTH:270 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03100 40 SEQUENCE DESCRIPTION: GATCTATCTG GNNTGTGCNT TAGACTNGAT GAGAAGGTGT GAACTCTGCA GAAAGTCTCT 60 CCTTCATCAC TGAATTCAGT CACTTGGAGA TGACAACTTC AAATGCTAAC CCGATGACCC 120 CAGAAAACCG TGTGAGATTC GTACCGAAGA ACCTTGTGGA ATCCCTTTNC TTAGGCCCAA 180 CCTGGTCGAT AGCTCGAGAA AGANTNTTTN CCAAGGAAAT GTCTCGGATA TGGGTACTGT 240 ATTTGAAAGC TGTTAGCTTT GTCAACACGN SEQ ID NO:2663 SEQUENCE LENGTH:268		-	anid				
CLONE:HUMGS03099 SEQUENCE DESCRIPTION: GATCTGTGTT TGTAATACTG GTTGTAATTA ATTTTTTTAA TTCATGAACN AGCGGAAAAT 60 TTATTAAATT AACTATTAAC CACATTCACC TTGTAAATGA CTGTATAAAA CTNGTNGACA 120 ATGCACTGAC TTTAGAAAGA TGTTAATGTG CATAANTNGA GTGTAAATAA NATAGTGTTG 180 ATGTACTGAN ATATGACCTG TATAANNNGT ATTAGTAATT GTNTATGGGG TGTACCTGTT 240 TATCTGTAAC TGTNATCCAA ACAAATNAAA TN 272  SEQ ID NO:2662 SEQUENCE LENGTH:270 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03100 SEQUENCE DESCRIPTION: GATCTATCTG GNNTGTGCNT TAGACTNGAT GAGAAGGTGT GAACTCTGCA GAAAGTCTCT 60 CCTTCATCAC TGAATTCAGT CACTTGGAGA TGACAACTTC AAATGCTAAC CCGATGACCC 120 CAGAAAACCG TGTGAGATTC GTACCGAAGA ACCTTGTGGA ATCCCTTTNC TTAGGCCCAA 180 45 CCTGGTCGAT AGCTCGAGAA AGANTNTTTN CCAAAGGAAAT GTCTCGGATA TGGGTACTGT 240 ATTTGAAAGC TGTTAGCTTT GTCAACACGN 270			acru				
SEQUENCE DESCRIPTION:  GATCTGTGTT TGTAATACTG GTTGTAATTA ATTTTTTAA TTCATGAACN AGCGGAAAAT 60 TTATTAAATT AACTATTAAC CACATTCACC TTGTAAATGA CTGTATAAAA CTNGTNGACA 120 ATGCACTGAC TTTAGAAAGA TGTTAATGTG CATAANTNGA GTGTAAATAA NATAGTGTTG 180 ATGTACTGAN ATATGACCTG TATAANNNGT ATTAGTAATT GTNTATGGGG TGTACCTGTT 240 TATCTGTAAC TGTNATCCAA ACAAATNAAA TN 272  SEQ ID NO: 2662 SEQUENCE LENGTH: 270 SEQUENCE TYPE: nucleic acid TOPOLOGY: linear CLONE: HUNGSO3100 SEQUENCE DESCRIPTION: GATCTATCTG GNNTGTGCNT TAGACTNGAT GAGAAGGTGT GAACTCTGCA GAAAGTCTCT 60 CCTTCATCAC TGAATTCAGT CACTTGGAGA TGACAACTTC AAATGCTAAC CCGATGACCC 120 CAGAAAACCG TGTGAGATTC GTACCGAAGA ACCTTGTGGA ATCCCTTTNC TTAGGCCCAA 180 45 CCTGGTCGAT AGCTCGAGAA AGANTNTTN CCAAGGAAAT GTCTCGGATA TGGGTACTGT 240 ATTTGAAAGC TGTTAGCTTT GTCAACACGN SEQ ID NO: 2663 SEQ ID NO: 2663 SEQ ID NO: 2663 SEQUENCE LENGTH: 268	25						
GATCTGTGTT TGTAATACTG GTTGTAATTA ATTTTTTAA TTCATGAACN AGCGGAAAAT 60 TTATTAAATT AACTATTAAC CACATTCACC TTGTAAATGA CTGTATAAAA CTNGTNGACA 120 ATGCACTGAC TTTAGAAAGA TGTTAATGTG CATAANTNGA GTGTAAATAA NATAGTGTTG 180 ATGTACTGAN ATATGACCTG TATAANNNGT ATTAGTAATT GTNTATGGGG TGTACCTGTT 240 TATCTGTAAC TGTNATCCAA ACAAATNAAA TN 272  SEQ ID NO:2662 SEQUENCE LENGTH:270 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO3100 SEQUENCE DESCRIPTION: GATCTATCTG GNNTGTGCNT TAGACTNGAT GAGAAGGTGT GAACTCTGCA GAAAGTCTCT 60 CCTTCATCAC TGAATTCAGT CACTTGGAGA TGACAACTTC AAATGCTAAC CCGATGACCC 120 CAGAAAACCG TGTGAGATTC GTACCGAAGA ACCTTGTGGA ATCCCTTTNC TTAGGCCCAA 180 CCTGGTCGAT AGCTCGAGAA AGANTNTTTN CCAAAGGAAAT GTCTCGGATA TGGGTACTGT 240 ATTTGAAAGC TGTTAGCTTT GTCAACACGN  SEQ ID NO:2663 SEQUENCE LENGTH:268							
TTATTAAATT AACTATTAAC CACATTCACC TTGTAAATGA CTGTATAAAA CTNGTNGACA 120 ATGCACTGAC TTTAGAAAGA TGTTAATGTG CATAANTNGA GTGTAAATAA NATAGTGTTG 180 ATGTACTGAN ATATGACCTG TATAANNNGT ATTAGTAATT GTNTATGGGG TGTACCTGTT 240 TATCTGTAAC TGTNATCCAA ACAAATNAAA TN 272  35 SEQ ID NO:2662 SEQUENCE LENGTH:270 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO3100 40 SEQUENCE DESCRIPTION: GATCTATCTG GNNTGTGCNT TAGACTNGAT GAGAAGGTGT GAACTCTGCA GAAAGTCTCT 60 CCTTCATCAC TGAATTCAGT CACTTGGAGA TGACAACTTC AAATGCTAAC CCGATGACCC 120 CAGAAAACCG TGTGAGATTC GTACCGAAGA ACCTTGTGGA ATCCCTTTNC TTAGGCCCAA 180 CCTGGTCGAT AGCTCGAGAA AGANTNTTTN CCAAAGGAAAT GTCTCGGATA TGGGTACTGT 240 ATTTGAAAGC TGTTAGCTTT GTCAACACGN 270  SEQ ID NO:2663 SEQUENCE LENGTH:268							••
ATGCACTGAC TTTAGAAAGA TGTTAATGTG CATAANTNGA GTGTAAATAA NATAGTGTTG 180 ATGTACTGAN ATATGACCTG TATAANNNGT ATTAGTAATT GTNTATGGGG TGTACCTGTT 240 TATCTGTAAC TGTNATCCAA ACAAATNAAA TN 272  SEQ ID NO: 2662 SEQUENCE LENGTH: 270 SEQUENCE TYPE: nucleic acid TOPOLOGY: linear CLONE: HUMGS03100  SEQUENCE DESCRIPTION: GATCTATCTG GNNTGTGCNT TAGACTNGAT GAGAAGGTGT GAACTCTGCA GAAAGTCTCT 60 CCTTCATCAC TGAATTCAGT CACTTGGAGA TGACAACTTC AAATGCTAAC CCGATGACCC 120 CAGAAAACCG TGTGAGATTC GTACCGAAGA ACCTTGTGGA ATCCCTTTNC TTAGGCCCAA 180 CCTGGTCGAT AGCTCGAGAA AGANTNTTTN CCAAAGGAAAT GTCTCGGATA TGGGTACTGT 240 ATTTGAAAGC TGTTAGCTTT GTCAACACGN 270  SEQ ID NO: 2663 SEQUENCE LENGTH: 268							
ATGTACTGAN ATATGACCTG TATAANNNGT ATTAGTAATT GTNTATGGGG TGTACCTGTT 240 TATCTGTAAC TGTNATCCAA ACAAATNAAA TN 272  SEQ ID NO:2662 SEQUENCE LENGTH:270 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03100  40 SEQUENCE DESCRIPTION: GATCTATCTG GNNTGTGCNT TAGACTNGAT GAGAAGGTGT GAACTCTGCA GAAAGTCTCT 60 CCTTCATCAC TGAATTCAGT CACTTGGAGA TGACAACTTC AAATGCTAAC CCGATGACCC 120 CAGAAAACCG TGTGAGATTC GTACCGAAGA ACCTTGTGGA ATCCCTTTNC TTAGGCCCAA 180 CCTGGTCGAT AGCTCGAGAA AGANTNTTTN CCAAGGAAAT GTCTCGGATA TGGGTACTGT 240 ATTTGAAAGC TGTTAGCTTT GTCAACACGN 270  SEQ ID NO:2663 SEQUENCE LENGTH:268	20						
TATCTGTAAC TGTNATCCAA ACAAATNAAA TN 272  SEQ ID NO:2662 SEQUENCE LENGTH:270 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03100  40 SEQUENCE DESCRIPTION: GATCTATCTG GNNTGTGCNT TAGACTNGAT GAGAAGGTGT GAACTCTGCA GAAAGTCTCT 60 CCTTCATCAC TGAATTCAGT CACTTGGAGA TGACAACTTC AAATGCTAAC CCGATGACCC 120 CAGAAAACCG TGTGAGATTC GTACCGAAGA ACCTTGTGGA ATCCCTTTNC TTAGGCCCAA 180 CCTGGTCGAT AGCTCGAGAA AGANTNTTTN CCAAAGGAAAT GTCTCGGATA TGGGTACTGT 240 ATTTGAAAGC TGTTAGCTTT GTCAACACGN 270  SEQ ID NO:2663 SEQUENCE LENGTH:268	30						
SEQ ID NO:2662 SEQUENCE LENGTH:270 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03100  40 SEQUENCE DESCRIPTION: GATCTATCTG GNNTGTGCNT TAGACTNGAT GAGAAGGTGT GAACTCTGCA GAAAGTCTCT 60 CCTTCATCAC TGAATTCAGT CACTTGGAGA TGACAACTTC AAATGCTAAC CCGATGACCC 120 CAGAAAACCG TGTGAGATTC GTACCGAAGA ACCTTGTGGA ATCCCTTTNC TTAGGCCCAA 180 CCTGGTCGAT AGCTCGAGAA AGANTNTTTN CCAAGGAAAT GTCTCGGATA TGGGTACTGT 240 ATTTGAAAGC TGTTAGCTTT GTCAACACGN  SEQ ID NO:2663 SEQUENCE LENGTH:268					GTNTATGGGG	TGTACCTGTT	
SEQUENCE LENGTH: 270  SEQUENCE TYPE: nucleic acid  TOPOLOGY: linear  CLONE: HUMGSO3100  40  SEQUENCE DESCRIPTION:  GATCTATCTG GNNTGTGCNT TAGACTNGAT GAGAAGGTGT GAACTCTGCA GAAAGTCTCT 60  CCTTCATCAC TGAATTCAGT CACTTGGAGA TGACAACTTC AAATGCTAAC CCGATGACCC 120  CAGAAAACCG TGTGAGATTC GTACCGAAGA ACCTTGTGGA ATCCCTTTNC TTAGGCCCAA 180  CCTGGTCGAT AGCTCGAGAA AGANTNTTTN CCAAGGAAAT GTCTCGGATA TGGGTACTGT 240  ATTTGAAAGC TGTTAGCTTT GTCAACACGN  SEQ ID NO: 2663  SEQUENCE LENGTH: 268		TATCTGTAAC TGTNATCCAA	ACAAATNAAA	TN			272
SEQUENCE LENGTH: 270  SEQUENCE TYPE: nucleic acid  TOPOLOGY: linear  CLONE: HUMGSO3100  40  SEQUENCE DESCRIPTION:  GATCTATCTG GNNTGTGCNT TAGACTNGAT GAGAAGGTGT GAACTCTGCA GAAAGTCTCT 60  CCTTCATCAC TGAATTCAGT CACTTGGAGA TGACAACTTC AAATGCTAAC CCGATGACCC 120  CAGAAAACCG TGTGAGATTC GTACCGAAGA ACCTTGTGGA ATCCCTTTNC TTAGGCCCAA 180  CCTGGTCGAT AGCTCGAGAA AGANTNTTTN CCAAGGAAAT GTCTCGGATA TGGGTACTGT 240  ATTTGAAAGC TGTTAGCTTT GTCAACACGN  SEQ ID NO: 2663  SEQUENCE LENGTH: 268							
SEQUENCE TYPE:nucleic acid  TOPOLOGY:linear CLONE:HUMGSO3100  40 SEQUENCE DESCRIPTION: GATCTATCTG GNNTGTGCNT TAGACTNGAT GAGAAGGTGT GAACTCTGCA GAAAGTCTCT 60 CCTTCATCAC TGAATTCAGT CACTTGGAGA TGACAACTTC AAATGCTAAC CCGATGACCC 120 CAGAAAACCG TGTGAGATTC GTACCGAAGA ACCTTGTGGA ATCCCTTTNC TTAGGCCCAA 180 CCTGGTCGAT AGCTCGAGAA AGANTNTTTN CCAAGGAAAT GTCTCGGATA TGGGTACTGT 240 ATTTGAAAGC TGTTAGCTTT GTCAACACGN 270  SEQ ID NO:2663 SEQUENCE LENGTH:268	35						
TOPOLOGY:linear CLONE:HUMGS03100  SEQUENCE DESCRIPTION: GATCTATCTG GNNTGTGCNT TAGACTNGAT GAGAAGGTGT GAACTCTGCA GAAAGTCTCT 60 CCTTCATCAC TGAATTCAGT CACTTGGAGA TGACAACTTC AAATGCTAAC CCGATGACCC 120 CAGAAAACCG TGTGAGATTC GTACCGAAGA ACCTTGTGGA ATCCCTTTNC TTAGGCCCAA 180 CCTGGTCGAT AGCTCGAGAA AGANTNTTTN CCAAGGAAAT GTCTCGGATA TGGGTACTGT 240 ATTTGAAAGC TGTTAGCTTT GTCAACACGN 270  SEQ ID NO:2663 SEQUENCE LENGTH:268							
CLONE:HUMGS03100  SEQUENCE DESCRIPTION: GATCTATCTG GNNTGTGCNT TAGACTNGAT GAGAAGGTGT GAACTCTGCA GAAAGTCTCT 60 CCTTCATCAC TGAATTCAGT CACTTGGAGA TGACAACTTC AAATGCTAAC CCGATGACCC 120 CAGAAAACCG TGTGAGATTC GTACCGAAGA ACCTTGTGGA ATCCCTTTNC TTAGGCCCAA 180 CCTGGTCGAT AGCTCGAGAA AGANTNTTTN CCAAGGAAAT GTCTCGGATA TGGGTACTGT 240 ATTTGAAAGC TGTTAGCTTT GTCAACACGN 270  SEQ ID NO:2663 SEQUENCE LENGTH:268		SEQUENCE TYPE:nucleic	acid				
SEQUENCE DESCRIPTION:  GATCTATCTG GNNTGTGCNT TAGACTNGAT GAGAAGGTGT GAACTCTGCA GAAAGTCTCT 60  CCTTCATCAC TGAATTCAGT CACTTGGAGA TGACAACTTC AAATGCTAAC CCGATGACCC 120  CAGAAAACCG TGTGAGATTC GTACCGAAGA ACCTTGTGGA ATCCCTTTNC TTAGGCCCAA 180  CCTGGTCGAT AGCTCGAGAA AGANTNTTTN CCAAGGAAAT GTCTCGGATA TGGGTACTGT 240  ATTTGAAAGC TGTTAGCTTT GTCAACACGN 270  SEQ ID NO: 2663  SEQUENCE LENGTH: 268		TOPOLOGY:linear					
GATCTATCTG GNNTGTGCNT TAGACTNGAT GAGAAGGTGT GAACTCTGCA GAAAGTCTCT 60 CCTTCATCAC TGAATTCAGT CACTTGGAGA TGACAACTTC AAATGCTAAC CCGATGACCC 120 CAGAAAACCG TGTGAGATTC GTACCGAAGA ACCTTGTGGA ATCCCTTTNC TTAGGCCCAA 180 CCTGGTCGAT AGCTCGAGAA AGANTNTTTN CCAAGGAAAT GTCTCGGATA TGGGTACTGT 240 ATTTGAAAGC TGTTAGCTTT GTCAACACGN 270  SEQ ID NO:2663 SEQUENCE LENGTH:268		CLONE: HUMGS03100				•	
CCTTCATCAC TGAATTCAGT CACTTGGAGA TGACAACTTC AAATGCTAAC CCGATGACCC 120 CAGAAAACCG TGTGAGATTC GTACCGAAGA ACCTTGTGGA ATCCCTTTNC TTAGGCCCAA 180 CCTGGTCGAT AGCTCGAGAA AGANTNTTTN CCAAGGAAAT GTCTCGGATA TGGGTACTGT 240 ATTTGAAAGC TGTTAGCTTT GTCAACACGN 270  SEQ ID NO:2663 SEQUENCE LENGTH:268	40	SEQUENCE DESCRIPTION:					
CCTTCATCAC TGAATTCAGT CACTTGGAGA TGACAACTTC AAATGCTAAC CCGATGACCC 120 CAGAAAACCG TGTGAGATTC GTACCGAAGA ACCTTGTGGA ATCCCTTTNC TTAGGCCCAA 180 CCTGGTCGAT AGCTCGAGAA AGANTNTTTN CCAAGGAAAT GTCTCGGATA TGGGTACTGT 240 ATTTGAAAGC TGTTAGCTTT GTCAACACGN 270  SEQ ID NO:2663 SEQUENCE LENGTH:268		GATCTATCTG GNNTGTGCNT	TAGACTNGAT	GAGAAGGTGT	GAACTCTGCA	GAAAGTCTCT	60
CAGAAAACCG TGTGAGATTC GTACCGAAGA ACCTTGTGGA ATCCCTTTNC TTAGGCCCAA 180 CCTGGTCGAT AGCTCGAGAA AGANTNTTTN CCAAGGAAAT GTCTCGGATA TGGGTACTGT 240 ATTTGAAAGC TGTTAGCTTT GTCAACACGN 270 SEQ ID NO:2663 SEQUENCE LENGTH:268							120
CCTGGTCGAT AGCTCGAGAA AGANTNTTTN CCAAGGAAAT GTCTCGGATA TGGGTACTGT 240 ATTTGAAAGC TGTTAGCTTT GTCAACACGN 270  SEQ ID NO: 2663 SEQUENCE LENGTH: 268							
ATTTGAAAGC TGTTAGCTTT GTCAACACGN 270  SEQ ID NO: 2663  SEQUENCE LENGTH: 268							
SEQ ID NO:2663 SEQUENCE LENGTH:268	45			COMMONMAL	GIOIOUUIA	TATATIONAL	
SEQUENCE LENGTH: 268		uningo tattvactti	A LOVUCACA!				210
SEQUENCE LENGTH: 268		SEO ID NO-2663					
· · · · · · · · · · · · · · · · · · ·							
50 SECULENCE TYPE proloin and	50		anid				

	TOPOLOGY: linear					
	CLONE: HUMGS03101					
	SEQUENCE DESCRIPTION:		a.a	C.TC.4.CTC.4.C	*********	co
5	GATCATGAAT CAAGCCCTGG					60
	TTACTTCCAT TCTGTTTCGG					
	TTGTTTTCCT TTTCATTGTT					
	GATTTCATTG AGTTGATTTT		GCAAICIGGA	IAAIIIUIAC		268
10	TTAATAAACT CGACATGAGA	AAAACAAA				208
	SEQ ID NO:2664					
	SEQUENCE LENGTH: 267					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear	4014				
15	CLONE: HUMGS03102					
	SEQUENCE DESCRIPTION:					
	GATCAAAATA GTAATAAATC	AACAAATAAT	TTTTGATTGA	CTGGTGGAAT	TAGATTTACT	60
	AAATAAAAAT GGCTTAAATT					120
20	ATAAATGGTA TAAATGCATT					
	AAATGGAATT ATTGGGTTAA					
	ATAAAATTTC CTCCTCTATA	TTCCAAA				267
25	SEQ ID NO:2665					
25	SEQUENCE LENGTH: 266					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE:HUMGS03103					
30	SEQUENCE DESCRIPTION:					
	GATCCGAATC TGTGCCCAGC	GCTAAAGGCT	CAGTGTTAGC	ATGGCTTNNN	CTGNCCGGTG	60
	TGCCATATTC TTGTTGGAGA	TGAACCGTAG	CACCAGAGCC	CATTCTTCCT	TGTCAGTCTT	120
	GGCCCAAAGA TGTCACCATT					
35	CTTTTTCTGA GATGGGACAG	AACTGCTGGG	TTGTCTTTTT	CCATGTAACT	TAAGCATAGT	240
	AATATAAATA AAGTAATAGT	TGGAAA				266
	SEQ ID NO:2666	•				
	SEQUENCE LENGTH: 265					
40	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS03104					
	SEQUENCE DESCRIPTION:					
45	GATCCTCCCT GTCATGCCAC					
	GATGTGCATT TTCACCTGAG					
	GGACCACCTG GAATGTGTGA					
	CTGGAATGGA AGCTTTAAAG		TTTTNATTTT	GGAAGAATCA	TGTTACCTTT	
	TTGTTAAATA AAATTTGTAC	TCAAA				265

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5	SEQ ID NO:2667 SEQUENCE LENGTH:303 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03105	acid				
10	SEQUENCE DESCRIPTION: GATCCAGTGT CCATGGAAAC AAAGCAGGGT TCCTCTGCCT TNCACCTATG TTTTTAAGTA TATGTGTTTG TAAACTTGTA TTGTAACTCC TGATTCTCCC	GCAAACAAGC GTCAAACTTC TTTGTATTTA	CCACGTGGAC AAGAAACAAT GTAGGCTTCT	CAGTCTGAAT CTAAACAAGT ATATTGCATT	GTNTTTCCTT TTCTGTTGCA TANCTTGTTT	120 180 240 300
15	AAA					303
20	SEQ ID NO:2668 SEQUENCE LENGTH:263 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO3106 SEQUENCE DESCRIPTION:	acid				
25	GATCAACCAA GGCAGATGTG CATNAGGGAG GGGCCCAAAG AGCCCTTAGT GCATTCAGGC GGACGTGCCC TCACCCCTCA AAGCCTTTCT GCAGCAGCTG	CCCTTGTGGG TAAGGCCCCT CTGGTCCACT	CGGACCTCCC GGGCAGGGAT	CTGAGCCTGT GCCACCNCTG	CTGAGGGGCC CTCCTTCGGA	180
30	SEQ ID NO:2669 SEQUENCE LENGTH:258					
35	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO3108 SEQUENCE DESCRIPTION: GATCTGGCCT AGGTCCCCCC	TTTNTNCTGT				
40	GGGAGCTGTC TCCAGACAGC GGCTAGTGGT ATTGTGTATA TTGTTTAGGG GTAAATAACA GGNGCNGACG TTCTTAAA	TGGGCGGGAC	GTGTGTGTCA	TTATNATTTG	AGTTATGCTG	180
45	SEQ ID NO:2670 SEQUENCE LENGTH:257 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03109 SEQUENCE DESCRIPTION:	acid				
50	GATCCACCCG CCTCGGCCTC TCAACTTTCT TTTGATTAGT					

	ATATCTATAT TATTGTATTT	AAAATGTGTT	TCTTACAGAC	TGCATGTAGT	TGGGTATAAT	180
	TTTNATCCAG TCTAAAAATA	TCTGTCTTTT	AATTGGNGTT	TAGACAATTT	ATATTTATA	240
	AAATGGNNGA ATTTAAA					257
5						
	SEQ ID NO:2671					
	SEQUENCE LENGTH: 257					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
10	CLONE: HUMGS03110					
	SEQUENCE DESCRIPTION:					
	GATCAGATGT NGCTCAGAAA	CTTTCATTGT	TTACCTAATA	ATTTAATATC	ACTAGTTTCC	60
	TAGTGGGTCA AGCAGATGCA					
15	GCTTATTTNA AAGTAAAANC					
10	GGTTTTGCCA TTGTNGAAAT					
	TTATGTTATA CATCAAA		ATALL TOURS			257
	TIAIQITATA CATCAAA					201
	SEQ ID NO:2672					
20	SEQUENCE LENGTH: 256					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	acru				
	CLONE: HUMGS03111					
05	SEQUENCE DESCRIPTION:					
25	GATCAATTAC TGTCCTCACT	TAGAACAAAG	CCTGAGTCCG	ACAATATTTA	TATTTACCA	60
	ATATATGCCT GTTACAAGAG					
	ATTCAGAGTT TATTTATCGA		•			
	GACATTCCTT ATACATGACA					
30	GATTTTTAAN TGGAAA	UNCACTRUDE.	INCALGGGAA	UNIUNIUIIN	AIAAIAANNI	256
	UNITITIAN TOURA					200
	SEQ ID NO:2673					
	SEQUENCE LENGTH: 256					
05	SEQUENCE TYPE:nucleic	acid				
35	TOPOLOGY: linear	acru				
	CLONE: HUMGS03112					
	SEQUENCE DESCRIPTION:					
	GATCTGGAGA GGATTAGGGA	CCCCTCTTCT	CCCCACATTT	<b>TNNCTCTAGT</b>	TTCATGGGTG	60
40	GAGATGGCAT CTCCNGTGGT					
	NAGCTTTCAA TCCCATGGAG					
	CTACCTCTTG CATATTGTNG					
		CIAAIGGIIC	INGCCITCIC	CITCCAUACT	IUUUAAAIAA	
	NTTTNAAAAT NGTAAA					256
45	CEO ID NO.0074					
	SEQ ID NO:2674					
	SEQUENCE LENGTH: 433					
	SEQUENCE TYPE:nucleic	acıq				
50	TOPOLOGY: linear					
	CLONE: HUMGS03115					

	SEQUENCE DESCRIPT	I ON ·				
	GATCTACCTT GGTGAT		CTTTGTGTCT	AGTTTTCTAG	ACCCTTCATC	60
	TCTTACTTGA TAGACT					
5	AACTGCTGTG GCTGGT					
3	AGGATAAGAA ATAAGA					
	CTCACAATTG TNGACT					
	AAATCCATAG CACAAG					
	CINTGINATE TAANCE					
10	NCNTTNANNT TTN	CUIN ANIUANIUI	COIDDITION	0001001111	11	433
	MCMIIMAMMI IIM					.00
•	SEQ ID NO:2675					
	SEQUENCE LENGTH: 2	250				
	SEQUENCE TYPE: nuc					
15	TOPOLOGY: linear	Terc acra				
	CLONE: HUMGSO3116					
	SEQUENCE DESCRIPT	'ION-				
	GATCAGAAGA AAGAAA		r gcgcggaaca	CTCACACGGA	AGGGCTGGCC	60
20	GCCTCCCTGA GCCGG					
	GGCTTCCCGC CAAAGO					
	TGTCCTGCTT TCCAGO					
	CAAAAACAAA	TUAN COCAMOIN	o maidudiii			250
05	CAMAACIDEN					
25	SEQ ID NO:2676					
	SEQUENCE LENGTH:	247				
	SEQUENCE TYPE:nuc					
	TOPOLOGY: linear					
30	CLONE: HUMGS03117					
	SEQUENCE DESCRIP	rion:				
	GATCTGAAAA AGATG		C TGACGCCGCC	AGTCCCGCGG	TGAGACGTGA	60
	GCNCCATTGG GTCCA					
35	TAAAGGAGAC AAAAA					
55	TTAATATACA GCAAG					
	GGATAAN					247
	SEQ ID NO:2677					
40	SEQUENCE LENGTH:	245				
	SEQUENCE TYPE: nu	cleic acid				
	TOPOLOGY:linear					
	CLONE: HUMGS03118					
45	SEQUENCE DESCRIP	TION:				
· <del>·</del>	GATCAAAACC ATCCT		A CCCTGTCTCT	ACTAAAAATA	CAAAAATTAG	60
	CTGGGCATAG TGGCA					
	GCTTGAACCC AGGAG					
	GGGCAACAGA GTGAG					
50	ATCAN					245

5	SEQ ID NO:2678 SEQUENCE LENGT SEQUENCE TYPE TOPOLOGY:line	TH:347 :nucleic	acid .				
3	CLONE: HUMGSO3	119 RIPTION:					
	GATCAGCAGG GCT						60
10	CACCAGATTT GCT						
	CTCAGNAATA CAG					_	
	GTCCTGAATA ACC						
	AAGGNCTTCC AAA					AANTANTATG	
	GANNAAGTGN NAT	INTAGGNN	ATTTAGGTGG	TCCCTNGGAT	TNCCGNN		347
15							
	SEQ ID NO:2679						
	SEQUENCE LENGT						
	SEQUENCE TYPE:		acid				
20	TOPOLOGY: line						
20	CLONE: HUMGS 031						
	SEQUENCE DESCR						
	GATCTGGCCT GG/						60
	AGGTGAGGTG CTC	CCCACCTT	CCCAGATGGT	TCCTTTCTGC	CCCTTCCTGG	AAGGAAAGGT	120
25	GAGGCTGCCA ATA						
	TGGGGGTTCA TTC	CCTGGGGC	ACTGTGGCCT	GGTTTTGCTT	TGAAACCAAG	AAAGAGCAAA	
	GN						242
30	SEQ ID NO:2680	-					
30	SEQUENCE LENGT	TH:411					
	SEQUENCE TYPE		acid				
	TOPOLOGY: line	ar					
	CLONE: HUMGS 03						
35	SEQUENCE DESCR	RIPTION:					
	GATCCCCAAC AAT						60
	CGNCACCTTC AT						
	GTTCACGGCC ATO	GTTCCGGC	GNAAGGCCTT	CCTGCACTGG	TACACGGGCG	AGGGNATGGA	180
40	CGAGATGGAG TTO	CACCGAGG	CCGAGAGCAN	CATGAATGAC	CTGGTGTCCG	AGTACCAGCA	240
40	GTACCAGGAT GC	CACAGCCG	AGNAGGAGGG	CGAGTTCGAG	GAGGAGGCTT	AGGAGGAGGT	300
	TGGCCTAGAG CC	TTCAANTC	ACTGGGGAAA	AGCAGGGGAA	GCAGTGTNGA	ACTCTTTTAT	360
	TCACTTCCNA GNO	CTGGTCCN	NGTNGGNCTN	GTTCCCACTG	TGTGCAATTG	N	411
45	SEQ ID NO:268	1					
	SEQUENCE LENG	TH:240					
	SEQUENCE TYPE	:nucleic	acid				
	TOPOLOGY: line:	ar					
	CLONE: HUMGS03	122					•

	SEQUENCE DESCRIPTION:					
	GATCTGCGCA CGGTGCACAG		CACTACAGCC	TTTTATTGAG	TGGGGTGGGG	60
	CAAGTGCTGG GCTGTGGTCG					
5	GAGGCCATAC TCCCCTAGTT					
3	ATTGTTACTA CCTTGTGAGA					
	AIIGIIACIA CCIIGIGAGA	IAAAAACIGA	TTAAACCTTT	0100010100	IIUUCIUAAA	440
•	SEQ ID NO:2682					
	SEQUENCE LENGTH: 237					
10	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03123					
	SEQUENCE DESCRIPTION:					
15	GATCACCTGG GGACAGAGGT	GAAAGGCCTG	CTGGGCCTGC	TGGAGGAGCT	GGCCTGGAAC	60
	CTGCCCCGG GACCCTTCAG		-			
	GAGCTGGAGC CCAGCAGTTG					
	CTGTCCTCTC GACTTCCTTC					237
	CIGIOCICIC GACIICCIIC		IUIUMMIM	AAGCIAIICI	UUICAAA	201
20	SEQ ID NO:2683					
	SEQUENCE LENGTH: 236					
	SEQUENCE TYPE nucleic	acid	•			
	TOPOLOGY: linear					
25	CLONE: HUMGS03124					
	SEQUENCE DESCRIPTION:					
	GATCGGCATG GTCATTCACC	AAGTGGAAGC	CAAACCCTCT	GTGTATTTCA	TCAAGTTTGA	60
	TGATGATTTC CATATCTATG					
	TTTGGCACAT GTGTGGAAAC					
30	AGTGTATTGA AAGCTTATGG					236
		.2				
	SEQ ID NO:2684					
	SEQUENCE LENGTH: 236					
35	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS03125					
	SEQUENCE DESCRIPTION:					
	GATCACACAT ATCCTTCCTG	AGANGAGCAG	TGACTAAAAT	GGAATATCTT	TTTAAGANCA	60
40	GCTCCTCTTT AACAAAAAAN	CTTAAAAGAC	AAATGTGAGA	TGGGCTTAGA	GTTAGTNCTC	120
	TGGGAACTTG AAAGACATTT	ATGCCATATT	ATTTATNCAC	GTGTTTGTNC	CTGGTGGGCA	180
	AGATGCCATC TGAGGCTTCA	GATGAGAAAT	TGGGGTAANN	TGGAAATTTT	NCACTN	236
	OPO ID NO OCOS					
45	SEQ ID NO:2685					
	SEQUENCE LENGTH: 234					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear CLONE:HUMGS03126		•	•		
50	SEQUENCE DESCRIPTION:					
	- DUMUDITUD DESCRIPTION.					

	GATCAATCCC TCAAGATTTT GAAATCCTGA AGAAATTGAG AAGTATGTTG CTGAAATTGA 6	0
	AAANGAAAAA GAAGAAAACG AAAAGAAGAA ACAAAAGAAA GCATCATGAT GAATAAAATG 12	0
_	TCTTTGCTTG TAATTTTTAA ATTCATATCA ATCATGGATG AGTCTCGATG TGTAGGCCTT 18	0
5	TCCATTCCAT TTATTCACAC TGAGTGTCCT ACAATAAACT TCCGTATTTT TAAA 23	4
	SEQ ID NO:2686	
	SEQUENCE LENGTH: 230	
10	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS03127	
	SEQUENCE DESCRIPTION:	
	GATCTAGGCC TGGCAAGANC TCTGGCCCCA AGGCCTCCTC TTCCCAGGGG CTGCCAAGTC 60	0
15	CTGGCCCTGG CCCTGGCATA TNACCCCGNA CTGTGGGGCC AGTCACCACT AGCCTGGCTC 12	0
	AAATATTCCC CAGGGAGACT NCTGTGTGCT GCCCGGCTNC CTGCTGGCTC TCCCCCAGNC 180	O
	CCACATCCCN TCTNGAAGAG AATGTAAAAT AAACCTGGAC ACAAGGGAAA 230	)
	OFO ID NO OCOG	
20	SEQ ID NO: 2687	
	SEQUENCE LENGTH: 232	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear CLONE: HUNGSO3128	
25	SEQUENCE DESCRIPTION:	
	GATCCATGAG GTCCTAGCCC CTGGCTGCCT GGATGCNTTC CCCCTGCTCT CAGCATATNT 60 GGGGCGCCTC ANTGCCCGGC CCAAGCTCAA GGCCTTCCTG GCCTCCCCTG AGTACGTNAA 120	_
	CCTCCCCATC AATGCAACG GGAAACAGTG AGGGTTGGGG GGACTCTNAG CGGGAGGCAG 180	
00	AGTITGCTIT CCTTTCTCCA GGACCANTAA AATTINTAAG NGAGNTACTA AA 232	
30	ASTITUTE OF TOTAL OF TOTAL AND ASTITUTE ASTITUTE AND ASTITUTE ASTITUTE AND ASTITUTE ASTITUTE ASTITUTE AND ASTITUTE	•
	SEQ ID NO:2688	
	SEQUENCE LENGTH: 229	
	SEQUENCE TYPE:nucleic acid	
35	TOPOLOGY:linear	
	CLONE: HUMGSO3129	
	SEQUENCE DESCRIPTION:	
	GATCACAAAA TGTNATAAAA CTTTAAATGT ATAAAACTTT ATCAAATAAA GTTTTATTTT 60	)
40	CCCCTTTAAA ATGTATTTNT TTAGAGGCAT TACTTTTTTA AAAATATTGG TCAATTNCNG 120	
	ACATAAGATG TGAGGTTCAC AGTTGTATTC CAGTATTCAA GATAGATTCC TGATTTTCCA 180	)
	ATTAGGAAAA GTAAAATCCA AAATGTTAGC AAAACAAAGT GCAATATTN 229	}
	SEQ ID NO:2689	
45	SEQUENCE LENGTH: 223	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS03131	
50	SEQUENCE DESCRIPTION:	
50	GATCCCATGC CCAGGTGTCC AGCAGACCTC AAGGCAGAAG GGTCACCTAA CCCAGGAGTC 66	)
	, ,	-

	CACAGACTGA TGTGACC AGAAGTTTTC TGGATAT CCTAGGGCCC TTGGCCA	GGC CAGGGTGGG1	GTNTGGCTAA	NTGGGCCTGA		
5	SEQ ID NO:2690 SEQUENCE LENGTH:22 SEQUENCE TYPE:nucl					
10	CLONE: HUMGS03132 SEQUENCE DESCRIPTI GATCCGCCCT GGAGAAG		CCCGGGTGGG	GCCCTCCTAA	CCTTGGNTCT	60
15	GGGGGCTTCC NTTCTGG AGCCGCCCTG CACTTGA TATGGGGTTT TTTGGAG	CCA CCAAAGCAA1	CTCTAAGCTT	ATAAAGGAGA		
20	SEQ ID NO:2691 SEQUENCE LENGTH:22 SEQUENCE TYPE:nucl TOPOLOGY:linear CLONE:HUMGSO3133 SEQUENCE DESCRIPTI	eic acid				
25	GATCCACCTG CCTTGGC TCTATATGTN ATTTCAA AATCAAATNA TTTCTGT GAGGAAAGTN CTTTAGA	CTT CCAAGGTGTT ATN AGGTGGCCTT CTC TATTTNNTTG	ATAAATATAA AGTACCAATT	GCAGATGGGT GTAAAANCTG	TTCTGGGCAA	120
30	SEQ ID NO:2692 SEQUENCE LENGTH:22 SEQUENCE TYPE:nucl TOPOLOGY:linear					
35	CLONE: HUMGSO3134 SEQUENCE DESCRIPTE GATCTGCCCA CCTCAGG CTAATTTTTT AATTTTT	CTC TTGAGTAGC1				
40	CTCCCAAAGT GTTGGGA	ATTA CAAGTGTGAG	TCACCGTGCC	TGGTCCCATG		
45	SEQ ID NO:2693 SEQUENCE LENGTH:2 SEQUENCE TYPE:nuc					
	TOPOLOGY:linear CLONE:HUMGS03135 SEQUENCE DESCRIPT			a Name - To a	141100015	
50	GATCTTTAAT AAAAAT GAGGATTACA ACAGGTA					

	AGANGTACAT GCTTTGTTGT TTACAGTCTT TGAAGTAAAA			TGAAAGATGT	ATCTGTTTAT	180 219
5	SEQ ID NO:2694 SEQUENCE LENGTH:219 SEQUENCE TYPE:nucleic	aaid				
	TOPOLOGY: linear CLONE: HUMGS03136	aciu				
10	SEQUENCE DESCRIPTION:					
	GATCTNGCCC CTGCGCTCTN					60
	TAAAAAATAC TTCCTAGGGA					
	CCTCCTCTGC CCATGGGCCG			TCGCTTGCTT	TGCTGTTTGG	
15	NATTTGCCTC CAGAATAAAG	GTCCTTTTTG	TTGTTGAAA			219
	SEQ ID NO:2695					
	SEQUENCE LENGTH: 224					
	SEQUENCE TYPE:nucleic	acid				
20	TOPOLOGY: linear					
	CLONE: HUMGS03138					
	SEQUENCE DESCRIPTION:					
	GATCCTAATC CCTTCCTCTC	CCATTCACCC	TGTGTAACAG	NACCCCAAGG	ACCTGCCTCC	60
25	CCGGAAGTGC CTTAACCTAG					
	CTTCTCTAGT TTCCCCTCTC				GTGGTTTCGT	180
	GGTTTCGTCT ATTTATTAAA	AAATATTTGA	GANCAAAAA	CAAA		224
	SEQ ID NO:2696					
30	SEQUENCE LENGTH: 216					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	deru				
	CLONE: HUMGS03139					
35	SEQUENCE DESCRIPTION:					
	GATCAAAGTC TTAAGTGTGT	TTGCAGCTCA	AAAATAAAGA	TGTATTAAGG	AGGGGAAAAC	60
	CTGGTCTAAG TGCAAGGCAC	ACTTACAGCG	AGTTTTACTT	TCGGTTGTAT	TTTCTTTGTA	120
	TATNATAAAC ATTTATTTAA	CTTGTTGCCG	TTTGAAGTAA	AAAATTTCCA	AAATGTATGC	180
40	TCAACAATAA TCATTAAAAT	GTTTTCAGCG	TACAAA			216
40	070 ID NO 0005					
	SEQ ID NO:2697					
	SEQUENCE LENGTH:216 SEQUENCE TYPE:nucleic					
	TOPOLOGY: linear	aciu				
45	CLONE: HUMGS03140					
	SEQUENCE DESCRIPTION:					
	GATCAAATTG TGTTTAGTAT	CACTATCTTC	TCTCCTCGTT	TCTCTCTTAC	TCCTCATCCT	60
	CCCAGAATCT ACCAGTTTAT					
50	TCCATGATGT CCAATTTTGT	NOTOGOAAAG	CATTTCCATA	A A ANTTTNCT	TTAAATTTNG	100

	GTAGNTTTTN ATCTNTACAA	NTTTAANTAA	AATNAN			216
5	SEQ ID NO:2698 SEQUENCE LENGTH:216 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO3141	acid				
10	SEQUENCE DESCRIPTION: GATCTCAAAA GTATTCCTCA GACGGAAAAA TTATGACCAT GAATTGAAAG GTTTTGAAAG TAAATNCTCT TAAGAATAAA	GGTACAGAGT GGTTCACAAT	TGTATCAAGG TTCTTTTCAT	AAATGAAGAA	CTAGAACATT	120
15	SEQ ID NO:2699 SEQUENCE LENGTH:211					
20	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO3142 SEQUENCE DESCRIPTION:	acid				
25	GATCAGCAAA CAGGAATACG AAACACTTTC CTGCTCCTCT GCCTTCAGTT CTTTTCCAAA TTTAATAAAT CTGAAATAGG	CTGTCTCTAG TCATTCCTAG	CACACAACTG CCAAAGCTCT	TGAATGTCCT	GTGGAATTAT	120
30	SEQ ID NO:2700 SEQUENCE LENGTH:236 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid	·			
35	CLONE:HUMGS03145 SEQUENCE DESCRIPTION: GATCACGAAC ANTAGCTTGC TTTTCAATNT CTTATTTCTG AGTATAAACT TTCTGNACAG TATGATAATT GCCTATGGTA	TGTTACTGAG TTTTNCTNAT	GACCCTAATC AGTCTAATAA	ACTTAGGGAT GTAAAAAGTG	GTAATTTTAT TCCNNCAAAT	
40	SEQ ID NO:2701 SEQUENCE LENGTH:206 SEQUENCE TYPE:nucleic	4				
45	TOPOLOGY:linear CLONE:HUMGS03146 SEQUENCE DESCRIPTION:		Jamam : CCS :	mam		
50	GATCCATTC TNACACACAC ATAAAANCTG CGGGCTTCAA GTTTTTTATC ACTTACTTAA GAACTCCTTT CACATTTTAA	AAAATATAAG TGTTATATCT	TAGGATGTCA	TCTATACTGT	CATACACTTT	120
	ATTITION THE CHORILITAN	UU I UUU				200

5	SEQ ID NO:2702 SEQUENCE LENGTH:206 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03147 SEQUENCE DESCRIPTION: GATCTAAAAC TGGGGTTTGG CCTTTACTCC CCAGCCCAGA TTATATTATT TTNCTCTGAC GACAAAAATCG ACCATAAAAG	GGGAGGGTTT GAGACGCTGC CTTTCCATCC	TTTTACCAGG	AAAGACTATT	GAAAGATGTT	120
15	SEQ ID NO:2703 SEQUENCE LENGTH:205 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
20	CLONE:HUMGS03148 SEQUENCE DESCRIPTION: GATCTTGTTA ATGCATTTTT AAAAGAATAA AAATTGACTT GTCCGTTAAC ACTACTTAAA GCATTCTGAA TGAATAAAGG	CTTGCTTGTA AGTTTAGGGT	CATATAGGNG	CAATACTATT	ATATTATGTA	180
25	deviletowy towntwynd	IIAAA				205
. 30	SEQ ID NO:2704 SEQUENCE LENGTH:203 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03149 SEQUENCE DESCRIPTION:	acid				
35	GATCCTGAGG CTTTGATGCT GAAAGAAGCA GCCAGACTCC GTCTTATTCC TGGCAACTTA TAATATAAAT GACACAAANG	AGAATCCCCC CCTCTCAGCT	ATTTTAATAG	CTATNNNATG	CTATGTCCCC	
40	SEQ ID NO:2705 SEQUENCE LENGTH:203 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO3150 SEQUENCE DESCRIPTION:	acid				
	GATCTGAAAA AAATACGGTT AAACCATGGC TTTAACCAGC GTTTGCNGCT GAATTGTGAC AGACCCAGGC AGTGCTGCTC	AGCTTTTGTN CTTNCCATTT	AGAAATNATT	TCTCCAATGA	NTGTAGAAAC	

5 _	SEQ ID NO:2706 SEQUENCE LENGTH:198 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO3151 SEQUENCE DESCRIPTION:	
10	GATCCAATGC TAAACTCCAA TGGTTCAGTG ACTGTGGTTG CTCTTCTTCA AGGCAGCTGA TACCTGTGCA TACTGCAGGC ATCTAAATTA GAAGACCTGC GAGTAAAACT GAAGAAAGAA GGATATTCTA ATATTTNTNA TATNGTTGTT AATCATCAAG GNATCTNTTC TCGATTAAAA TNCACACATC TTANGAAA	120
15	SEQ ID NO:2707 SEQUENCE LENGTH:201 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO3152	
20	SEQUENCE DESCRIPTION:  GATCCATAAT TCCTATTCAA TGAACATCAT TGTTGGTGGC TGAATACATT TTGGAAGAGA GTTTTTCATC TTAGAGATTG GTGAACAAGT GTGAGGGTGT GAGAAACTCA CAGAATACAA 1 ATTTGCCTGT ATGTTTTGTG GGTTTTTTTT TTCCCCTTCA NGATGTTTNC TATTNCTAAN 1 TTAANGTAAT TNCAAGGTAA A	120
25	SEQ ID NO:2708 SEQUENCE LENGTH:196 SEQUENCE TYPE:nucleic acid	
30	TOPOLOGY: linear CLONE: HUMGSO3153 SEQUENCE DESCRIPTION:	
35	GGAATNCTGT GTAGCAAATG TAAAACTNAC CTGCTCGGAA GAAACGTAGG ANCGCTTCAA 1 ACCCACTGTA ATGTTTGGTT TGANNTTATT TCCATTGCTT TNAGAGTGAN CTGCCTAAGN 1	
40	SEQ ID NO:2709 SEQUENCE LENGTH:193 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03154 SEQUENCE DESCRIPTION:	
45	GATCTACAAG NATTTTCTTT TAGTAGTTAT ACAAAAGANT ATTACATTTA TTGGTCTGTA CAGTGTAATA AACCAGCAAT AGGGACAACA ACAAAGAGAA TCTAAGAAAG ANGACTATGC 1 CTAANTATAG GGAAAGTTTA GAGAATCATT TTTAGACAGG ACACATTTTG CAGTAGTGAA 1	
50	SEQ ID NO:2710	

5	SEQUENCE LENGTH: 193 SEQUENCE TYPE: nucleic TOPOLOGY: linear CLONE: HUMGSO3155 SEQUENCE DESCRIPTION: GATCAGTGTT GCAACATANT AGTAAGNTGA CCTGGAAATG ACAGATTAAN TTTAATTAAT AAAAGTACAN GTN	GNAAAAGATG AATGAAACTA	TTACTCCTAA	GANTTACATT	GTATAGCCCC	120
15	SEQ ID NO:2711 SEQUENCE LENGTH:192 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03156 SEQUENCE DESCRIPTION:	acid				
20	GATCTCGAAC CCTGTCTAGA GTTTTCCTCC ATGTTATTTA TGCATAATGT TCACTTTTTA CTATCACACA AA	TGAATTTNAT	ATTCCGTGAA	TGTATATNGT	CTTGTAATGT	
25	SEQ ID NO:2712 SEQUENCE LENGTH:386 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
30	CLONE:HUMGS03157 SEQUENCE DESCRIPTION: GATCCAGAAT NGAGACTGGA TGGAGAGGTT TACACCTGCC					60 120
35	ATGGAGTGCA CGGTCTGAAT GCTGGGCCTG CTCTTNCTTG CTCTGGNCTT CAGCCANCAG ANGAACCTTC TTGNCCCANG NTTTNTTCCC ACCAAAGAAN	GNACAGGGCT GACTCTTTGN NTTTTCAAGA	GTTCATCTAC GCTGAAGTGC	TTCAGGANTC AGGTGNCCAC	AGAAAGGNCA GATTCAAGGG	240 300
40	SEQ ID NO:2713 SEQUENCE LENGTH:189 SEQUENCE TYPE:nucleic	acid				
45	TOPOLOGY:linear CLONE:HUMGS03159 SEQUENCE DESCRIPTION: GATCTTCCGG AAAAACTAAG CNTGNTGAGG CACGAACCCT					
50	GTCTGTGCTC TCAGCCGCTG GCCGGCAAA					

5	SEQ ID NO:2714 SEQUENCE LENGTH:189 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO3160 SEQUENCE DESCRIPTION:	acid				
10	GATCCCATAG TTTTACATTT AAGTNCTAGC ACATCTGTNA GCAATCTTAT TCCTNGTCTG CTTTTTAAA	CTCCTCCACT	TCCACATTTT	TNCACTGCTT	ACACTTACGT	120
15	SEQ ID NO:2715 SEQUENCE LENGTH:187 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03162	acid				
20	SEQUENCE DESCRIPTION: GATCAAATCT CTCCTGGCTG TCTATATGCT AAGTGAAATC CCATCTACTT TTTGTCACCA AAGCAAA	TGTGTCTGTA	ATTTGTTGGG	GGGTGGATAG	GGTGGGGTCT	
25	SEQ ID NO:2716 SEQUENCE LENGTH:187 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
30	CLONE:HUMGS03163 SEQUENCE DESCRIPTION: GATCCAAGGG CACAAGGAGA CCTCTTTGCG GGACCACACA					60
35	GTGTCCTCAN TAGCGCCTGA TNCNAAA SEQ ID NO.2717					
40	SEQUENCE LENGTH: 188 SEQUENCE TYPE: nucleic TOPOLOGY: linear CLONE: HUNGS 03164 SEQUENCE DESCRIPTION:	acid				
45	GATCCTCCTG TTTACCCTGT TGAATGAATG AAAAATCCAT GGTGATTGAT TATATGACCG CAAACAAA	ATTGTAATTG	ATGTCCTCTG	GCCACATAGT	ATTAAAATTA	

5	SEQ ID NO:2718  SEQUENCE LENGTH:183  SEQUENCE TYPE:nucleic acid  TOPOLOGY:linear  CLONE:HUMGS03166  SEQUENCE DESCRIPTION:	
10	T. MORGOOGO COMO LOGOMO COLLA COMO COLLA C	0
15	SEQ ID NO:2719 SEQUENCE LENGTH:182 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03167	
20	SEQUENCE DESCRIPTION:  GATCCAAGTG GCCCAGCAGA AACGGAATTN TNGTNAAAAT GACTGATTCT GGTGCATGTN 6  AAAGGCTCTG GGGAATNAAT ACCTGTTTGG TCCAAACTTA CTGTATCATA ATGCTGTATA 12  TGTNGAAAAC GTAATACCTG TNAATGTCCT AATGAATCAN GTTTTGCAGA AAACACCGTA 18  AA 18	0
25	SEQ ID NO:2720	
30	SEQUENCE LENGTH:181 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03168 SEQUENCE DESCRIPTION:	
35	GATCCTCCAT TGGAGTGGCC CAATCTTTCC TCTAGGGCAA TCCTGAAAGC CCAAGGCCCT 60 TCNCAGTCTG GCCTTGGCTT CAGCTGGAGA AGGGTAACAT CAGTCATTGT CAAGGCACCN 120 CCANCCCNGA CAGACCGTGT CTCTGATAAA GGTTTTGAAG TGATAAAGTT TTAAAACTAA 180 A 18	0
40	SEQ ID NO:2721 SEQUENCE LENGTH:178 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO3169	
45	SEQUENCE DESCRIPTION: GATCCTCACT CCACTGTCAT GTTTGAAAGA GGTATTGGTG TTCTGGAGTG GGGGTCAACC 60 CCTCCCCAGT CTCTGTGCTA AGTTCACTTG GGAGGATGGC AGTAGGAGCC AGGGCTGGCC 120 ATGGGTCCCC TACGCTTNCC NNTAGGATAT ACCCTGGAGA ATGGCAAAAT GATTTAAA 170	0
50	SEQ ID NO:2722 SEQUENCE LENGTH:287	

	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO3170 SEQUENCE DESCRIPTION:	acid				
5	GATCCTAAGG CAAAGAGGTG AGGTTTTCTC TGAAAGCTTA					
	CTGCCTCCAG GTGCTGGGAC CTGTNTTAAG TCAAAGTAGA					
10	GGGTAAAGNG GCCAAGCTGC				NIAUUNCAIA	287
	SEQ ID NO:2723 SEQUENCE LENGTH:178					
15	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear CLONE:HUMGS03171					
	SEQUENCE DESCRIPTION: GATCACCATG ACTGCAACAT	GGTTTATATT	CATGCTGCCC	TAGAAACTTT	TGTAATTATT	60
20	TGTTGCAAAT TTGTGACTGT	CCTTATTAAC	TTTCTTTNAT	GTAAGTAATT	TGTAAAAGTT	120
	TCTNAAAATT TTTGCTTTTG	CTTATTTAAT	TTTNAATAAA	AGCTAAATTC	CTAATAAA	178
	SEQ ID NO:2724					
25	SEQUENCE LENGTH: 178 SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear	acra				
	CLONE: HUMGS03172					
30	SEQUENCE DESCRIPTION:			mayaaa Laa L	amma i Namma	
	GATCCTGGAG CCCCCGTGTC TNAACATGAG TGTCAACTTC					120
	TGTGCCATNN CTCCCAAGGN					178
35	SEQ ID NO:2725					
	SEQUENCE LENGTH: 337			•		
	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE: HUMGS03173					
40	SEQUENCE DESCRIPTION:					
	GATCCTTTTG AATTTTGCAC					
	TCTNATTACA GGAGCACTGT TGGTGTACAC TCAAAACCTG					
45	ATTCTGAAGA AATCTTGGGG					
· <del>-</del>	CCAGTCCAGT GCTCAGACCT	TTAGACTCAT	TGTAAGTTGC	CACTGTCAAC	ATGGGACCAA	300
	AGGTGTGTGA CTAGTCAATG	AAAGTGCGGN	CANATTN			337
50	SEQ ID NO:2726 SEQUENCE LENGTH:180					
	DEBUENCE LENUIN. IOU					

_	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03175 SEQUENCE DESCRIPTION:	acid				
5	GATCCAAAAC ACTCAATCCT ATGATGTGAG CCATGTGAGA TGGGCCGCTT TAATGTCAGG	TGANCAATCA	CCAGTTGTTA	TGTTCGAATC	TCCTTTGTGT	120
10	SEQ ID NO:2727 SEQUENCE LENGTH:175 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
15	CLONE: HUMGS03176 SEQUENCE DESCRIPTION: GATCTGAGCC AGGATGGGAG CTTTCCACTG CCGGGAGTGC CGTCCACATA CTCCTCCCAG	TGGGGGCCCA	GCCTGGCCCC	CNGAAGAGAC	AGCCAAGTGT	120
20	COLCUMENTA CICCICCAG	AGIGAGCICI	AACCAGGCIC	ATTIGUTUM	TUCAN	175
25	SEQ ID NO:2728 SEQUENCE LENGTH:175 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE: HUMGS03177 SEQUENCE DESCRIPTION: GATCCTGTTN CCNACCTCCT TGGAGCTGGG GTTTCTCCC					
30	CATTGGGTGG GGCAGCCCCA	AGCCTCCTGG	GGAGGCAGGG	CAAAAACAGG	TGCCN	175
35	SEQ ID NO:2729 SEQUENCE LENGTH:174 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO3178	acid				
40	SEQUENCE DESCRIPTION: GATCAGAGGA AAGATGAGAA TGTTCCCTCC GTCTCCTGGA TCCCATCTAC TTTATTTCA	CCACGGCTAG	AGTTCCCAGT	TTGGCCTTTT	GGGGCATTCA	60 120 174
45	SEQ ID NO:2730 SEQUENCE LENGTH:271 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO3179	acid			•	
50	SEQUENCE DESCRIPTION: GATCGTCTGG GAGCCCAGTG	TCAAGTCTGC	TGGAATGCAG	GAAGTAGAAC	AGAATCGCCA	60

	CAGGACTGTT CTGGGGCCAG GCCCTCACCC AAAGGTTCTG GTTGGAGGAT AAAATGGGTA	GCTCTTCCCT	CCCTCACTTT	TACTTTCCCT	TCCCCCATAA	180
5	TTTCTNNCTN TCTCTGTAAT	CTGCTATGNA	N			271
10	SEQ ID NO:2731 SEQUENCE LENGTH:178 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03180	acid				
15	SEQUENCE DESCRIPTION: GATCINCGGN CIGICGITAG TNITCCITTA TAATICACTA TAATICINTA TTAATGTAAA	AAATAAAGCA	TCTATTAGTG	TCTGATTTAG	GAATGTAAAA	
20	SEQ ID NO:2732 SEQUENCE LENGTH:172 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO3181	acid				
25	SEQUENCE DESCRIPTION: GATCTTACCA AAGAGGTCAA CTTCTATTAA GTGTATTTNT CCATTTCTAA GGGCTTCTNT	GTTTAAGNTA	CAGTTCTCTA	AGAGAATTAC	AATGTTTGTC	
30	SEQ ID NO:2733 SEQUENCE LENGTH:170 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid .				
35	CLONE:HUMGS03182 SEQUENCE DESCRIPTION: GATCAGGAAA CGGCAACAAG CCAACAAGTG CTCCCTGGGC TGAGGGAGAC AACGGCAGAG	TGAGGACCCT	TTNTTGCCTC	CCCACCCCGG		
40	SEQ ID NO:2734 SEQUENCE LENGTH:176					
45	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO3183 SEQUENCE DESCRIPTION:		ACC LA MACONT	4444TCC++*	CO. L. CTTTTT	60
	GATCTGGATT TATGTATTTG CAAAAGCCCA GGTCTAAATG					60 120
50	TCCTGTGTAA ATCATAAACA					176

5	SEQ ID NO:2735 SEQUENCE LENGTH:163 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO3185 SEQUENCE DESCRIPTION:	acid				
	GATCCGCCCA CCTNGGCCTC					60
10	CCTCCTGAAT TAACATTTTC GTGTCTTGGC TGCATTGGTG				GCTGCCAGAG	120 163
	SEQ ID NO:2736					
	SEQUENCE LENGTH: 162	1				
15	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE: HUMGS03186					
	SEQUENCE DESCRIPTION:					
	GATCTCAACT ATGTNCCACT	AAAGGCACAG	GAATGGAAAA	CTGAGAAAAG	ATTTÀTTCCC	60
20	CTCACCAATT CCTTTGGTTT					
•	AACATATANT TNGTAATNAA					162
	SEQ ID NO:2737			•		
25	SEQUENCE LENGTH: 160					
	SEQUENCE TYPE:nucleic	acid		•		
	TOPOLOGY: linear					
	CLONE: HUMGS03187					
30	SEQUENCE DESCRIPTION:					
30	GATCCTGCCA CCCTGTAGCG					60
•	GACTGCTAGT GTTCTGTCTA			CCTTCTTTTA	TGAGCAGAAG	
	GAAACAAAAA AAAAAANGAG	GCCCNTTTNC	CTGGANGAAA			160
35	SEQ ID NO:2738					
	SEQUENCE LENGTH: 159					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
40	CLONE: HUMGS03188					
40	SEQUENCE DESCRIPTION:					
	GATCTGCCTT ATTGCATATN					60
	ACAAAGCTTC ATTGTGAACA			ACANTCTCAT	CACATTTTTC	
	CTAGCCTTNC CTACATTTAA	NCTTGCTGTT	GCCCAAATN			159
45	SEQ ID NO:2739					
	SEQUENCE LENGTH: 157					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	wo I u				
50	CLONE: HUMGS03189					

5	CAAAANTGGA TAAGTACAAA NCTTGATGTA AATNGTACCA ATGANTATGT AAACATACAG	60 120 157
10	SEQ ID NO:2740 SEQUENCE LENGTH:153 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO3190 SEQUENCE DESCRIPTION:	
15	GATCCACTGG AATTAGCCAA TACACTATAT AACAATACTA TTAAAGTATT TTTTCCTGGA ATATAATTGG TATATGTCTT CCACTTTCCA TCATGTATGT AAAATTTCAT AGTAAAACTT 1	60 120 153
20	SEQ ID NO:2741 SEQUENCE LENGTH:151 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03192	
25	ACAACGAAAC TTTCCCTTGT GGAGAGGAGG GATTTCCCTG CTCTATATAA GCAACATATT 1	
30	SEQ ID NO:2742 SEQUENCE LENGTH:150 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
35	ACTGTTGGGG CAGCGGCCCC ACATGGTAAT GTTTTNTTTA GAGAGAAGAA AAAACAACTG 1	60 20 50
40	SEQ ID NO:2743 SEQUENCE LENGTH:150 SEQUENCE TYPE:nucleic acid	
45	TOPOLOGY:linear CLONE:HUMGSO3194 SEQUENCE DESCRIPTION: GATCGTNTTT TTNCTTGTTA AATAATTAAA ANTCATCTTA AAATTCATAC TTTGACTTTA ATTTAGACAC AAGGAGATGT AATCNCTGTG TAACATCAGA GAAAGCTATA TGGATTATNG 1	60 20
50	TCAGANGTAA ATGTTTCTAA CATTGACAAA 1:	50

5	SEQ ID NO:2744  SEQUENCE LENGTH:149  SEQUENCE TYPE:nucleic acid  TOPOLOGY:linear  CLONE:HUMGS03195  SEQUENCE DESCRIPTION:	
10	GATCGAGTTG GCCGAGGATG GATGATTNTG NGCAGCAGAA GCCGTTGCAG CCCCACGTTG TGCTCTAGGC AGGGACCTTT GGCCCCTTTG GGGAGGGAGA GACAGACGGG CGGTTTGACT 12	
15	SEQ ID NO:2745 SEQUENCE LENGTH:145 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO3196	
20	SEQUENCE DESCRIPTION: GATCCCAGGT CTGGGGATGG GGGACACCTT NGGCCACAGG ATACTGGTTG CTTCAGGGGT 6 ACCCATGCCC NCTGCCCTNG CCTGGAATCA GTGTTACTGC ATCTGATTAA ATGTCTCCAG 12 AAATAAAGAA TAATTCTGCC AGAAA 14	
25	SEQ ID NO:2746 SEQUENCE LENGTH:143 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03197	
30	SEQUENCE DESCRIPTION: GATCACTCNT AGAGTNGCCA TTCTGCANCT TCCTAAAAAT ATTTTAAAAA TACATTTATT 6 TTACTAAATA CTGACTACAT TTNTNTGTTA ATATTGAGCT AAATGTTAAA AAATGGCCAG 12 ATTAAAAGAT ATCAATTTGT AAA 14	0
35	SEQ ID NO:2747 SEQUENCE LENGTH:142 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
<b>40</b>	CLONE:HUMGS03198  SEQUENCE DESCRIPTION:  GATCCATAGT GTGCATGGGC AGACACATTT TGCCTCTATG TCTCTTAAAA TTTTAATTAA 6  AAATACTCTT TCCAGTAATC CTAATTTGCA CGAAGATATA ATGTCCACAT TACGTGCCTT 12  GCCTTGAAAT CTAAAAAACA AA 14	0
45	SEQ ID NO:2748 SEQUENCE LENGTH:142 SEQUENCE TYPE:nucleic acid	-
50	TOPOLOGY:linear CLONE:HUMGS03200	

	SEQUENCE DESCRIPTION:	
	GATCTCACAG GACTGAGAAC TCGTTCACCT CCAAGCATTT CATGAAAAAG CTGCTTCTTA	30
_	TTAATCATAC AAACTCTCAC CATGATGTGA AGAGTTTCAC AAATCTTTCA AAATAAAAAG 12	
5	T\4TC\CTT\ C\4\CTCCCC\	12
	SEQ ID NO:2749	
	SEQUENCE LENGTH: 141	
10	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS03201	
	SEQUENCE DESCRIPTION:	
15		0
	TTATTTTTGT AACTTTAAGG TCTAAATNAC TAAACTTCAA AGTAAGATTT TNTCAGAATA 12	0
	AATTGAGACC ATTAATCTAA A 14	1
	SEQ ID NO:2750	
20	SEQUENCE LENGTH: 140	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS03202	
25	SEQUENCE DESCRIPTION:	
	GATCAGAAAA AGAAAGAAGC CAAAGAGAAA GGTACCTGGG TTCAACTANA ACGCCACCTT 6	
	GAGCTGCTGG AACCTATTCC CTATGAATTC ATGGCATAAT AGGTGTTAAA AAAAAAAAAA	
30	SEQ ID NO: 2751	
	SEQUENCE LENGTH: 135	
	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
	CLONE: HUMGS03204	
35	SEQUENCE DESCRIPTION:	
	GATCCTATTT TCNTACAACC TTTCAGTGAC ATCGTTCAGG NTTCTTTCTT GGCCATTTAA 60	
	AAAAACAAAT TTTTTTTTC TCACTTGTAA GTCACCGCCA GTNCCTAAGT NAGGCTAACG 120	
	GNGACTTTGA CAGGN 138	
40	150	,
	SEQ ID NO:2752	
	SEQUENCE LENGTH: 134	
	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY:linear	
45	CLONE: HUMGS03205	
	SEQUENCE DESCRIPTION:	
	GATCAGTAAT AGATNTAGAT ATACTATTTT NATATTGTAA GCAGTTACNT ACTCAGGATT 60	
	AGNATTCGAA TTCATTTGAT TTAATATGTA ATAGGTAATA TTAAAANTAA AGATTTTATG 120	)
50	CTTTGAAACT CAAA	1

5	SEQ ID NO:2753 SEQUENCE LENGTH:133 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO3206 SEQUENCE DESCRIPTION:	acid			
10	GATCAGACGT CGCTGAGGGG TTTTAACATG TCGTGTTTTC CATGGATATT AAA				
15	SEQ ID NO:2754 SEQUENCE LENGTH:141 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03207 SEQUENCE DESCRIPTION:	acid			
20	GATCACTGTA GTTTAGTTCT TTTCTAATTC CACAGGTCAT TTCACTTCTT CCTATTGTAA	NAGATGCCTG			
25	SEQ ID NO:2755 SEQUENCE LENGTH:132 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO3208	acid			
30	SEQUENCE DESCRIPTION: GATCGTTATA TTTNACATAA TTAAACTACA ATNAACCACA TGGATGNNGC TN				60 120 132
35	SEQ ID NO:2756 SEQUENCE LENGTH:131 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO3212	acid			
40	SEQUENCE DESCRIPTION: GATCCGNCCG CCTCAGCCTC AATTNAANCT AGATTGAGGT TNATATTTAT N		• • • • • • • • • • • • • • • • • • • •		
45	SEQ ID NO:2757 SEQUENCE LENGTH:136 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid			
50	CLONE: HUMGS03213				

5	SEQUENCE DESCRIPTION: GATCTGATAT TTTAAGANTT TGGAGACCAT TTCCTGTGCC AGANTCACTG CTCTATTCCA 60 TACCGTGCCA TGGAGGCTGT TTTAGAAGTG GTTGGATAAC ATGTTAAATA AAATATTAAG 120 TGTAAAAAAA AATAAA 136
10	SEQ ID NO:2758  SEQUENCE LENGTH:129  SEQUENCE TYPE:nucleic acid  TOPOLOGY:linear  CLONE:HUMGS03214  SEQUENCE DESCRIPTION:
15	GATCCACCCA CCTTGGCCTC CCAAAGTCCT GGGATTACAG GTGGGAACCA CAGCACCTNA 60 CCCAGAATAT AAAGACACTT TTNTAATGTG CAATGAAAAA TATGTAAATA AANTATTTTT 120 ATCTNTAAA 129
20	SEQ ID NO:2759 SEQUENCE LENGTH:129 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO3215
25	SEQUENCE DESCRIPTION: GATCCACCGT ACCAGGNAGC AGAAATATTT CTACAAAGGG GGCCTAGTTT GGAATGAGAA 60 CANNTCTGAC GGCCGGTATG TGAAGGAGAA CTGCAAACCT CTGAAGAGTT ACATGCTCCA 120 AGACTCCCN 129
30	SEQ ID NO:2760 SEQUENCE LENGTH:408 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03216 SEQUENCE DESCRIPTION:
	GATCATGTTG GGATTAACTT GCCTTTTTCC CCAAAAANNA AACTCTCAGG CAAGCATTTC 60 TTTAAAGCTA TTAAGGGNGT ATATACTTGA GTACTTATTG AAATGGACAG TAATAAGCAA 120 ATGTTCTTAT AATGCTACCT GATTTCTATG AAATGTGTTT GACAAGCCAA AATTCNNGGG 180
40	TGTAGANATC TGGAAAGTTC ATTTCCTGGG ATTCACTTCT CCAGGGATTT TTTAAAGTTA 240 ATTTGGGAAA TTANCAGCAG TTCACTTTAT TGTGAGTCTT TGCNACATTT GACTGAATTT 300 AGCTGTCATT TGTNCATTTA AAGCAGCTGT TTTGGGGNCT GTGAGAGTCC ATGTATTATA 360 TCCAAGCCCA CCAGGGCTTN CCCTAAGGAN TTGCCATNGT AATACCCN 408
45	SEQ ID NO:2761 SEQUENCE LENGTH:128 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
50	CLONE: HUMGS03217 SEQUENCE DESCRIPTION:

	GATCTAGGAA AGAAGGCAAC ACGATATTCT ATTTTGATTT ACTTTAAN					
5	SEQ ID NO:2762 SEQUENCE LENGTH:258 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
10	CLONE: HUMGS03218 SEQUENCE DESCRIPTION:					
15	GATCGGCAGG CTGAGGACCA GCCCTCATCC GCTTCCAGGA CAGGGCTAGA CGAGGGTGGG GCACAGTGCC ACCCNTGTTC	GGAGCGCAGG CCGTCTGCTT	CTCAGCGAGC TCGTTCCCAC	TGGCCTTGGG AAAGAAAGCA	GACAGGGGCC CCTNACCCCA	180
	AAATGTTTCT GCCACAAA SEQ ID NO:2763				TITAUANTIA	258
20	SEQUENCE LENGTH: 128 SEQUENCE TYPE:nucleic TOPOLOGY: linear CLONE: HUMGS03219	acid				
25	SEQUENCE DESCRIPTION: GATCCTTGTT GGTCTAGCTA GATAGCAGAG TCATAGTTGG CTTCTAAA					
30	SEQ ID NO:2764 SEQUENCE LENGTH:126 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03220	acid				
35	SEQUENCE DESCRIPTION: GATCTNCCGC TCCCTCCTG CCTGCTGACC CCCAGCTTTC GCCAAA					60 120 126
40						100
45	SEQ ID NO:2765 SEQUENCE LENGTH:126 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO3221 SEQUENCE DESCRIPTION:					
50	GATCTTTTA GGCCTTCATT GATTATACTA CTACTAATTN AGCAAA				NATGTTAGAA	60 120

5	SEQ ID NO:2766 SEQUENCE LENGTH:125 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03222 SEQUENCE DESCRIPTION:		**************************************	TTC	
10	GATCTCTGCA CAGTTTCTTG TTTTCCTNCT AAGTTTCATG NGAAA				60 120 125
15	SEQ ID NO:2767 SEQUENCE LENGTH:124 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO3223 SEQUENCE DESCRIPTION:	acid .			
20	GATCCTGGTT TCAATGACGG TATTTTTCCT GAATACAAAG CAAA				60 120 124
25	SEQ ID NO:2768 SEQUENCE LENGTH:131 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03224 SEQUENCE DESCRIPTION:	acid			
30	GATCACTTAG CAACATGCTT ATAATCTATG CATATATNAC CAAACATTAA A				
35	SEQ ID NO:2769 SEQUENCE LENGTH:123 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03225	acid			
40 .	SEQUENCE DESCRIPTION: GATCAATTAC CTAACTGTTC GTCTCATTTT AAATNACGCA AAA				
45	SEQ ID NO:2770 SEQUENCE LENGTH:388 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid			
50					

	CLONE: HUMGS03227					
	SEQUENCE DESCRIPTION: GATCCATTTG TCTGGCAGGA	CCTTTTTCAT	CATAAACCAA	CCCTTCCCCC	AACCCACAAT	60
5	AGTTGAAGNA TGGAAAGACA					
	CTTCCCTGTA ATCCTTTCTN					
	GAGGAAATAC TATAAAGTGG				-	
	TTTCATTGGT GGAGAAGCTT	GTCTATGGGG	AGANNNTGTG	GATGCAACTA	ACCTCACTCC	300
10	AAGATTTATG GCCTCGGGCA	AGTGCTGTTG	GTGAGAGACT	CTGGAGGTTC	CAAAGATGTC	360
	AGAGATATGN GATGACGCCT	ATNACAGN				388
	SEQ ID NO:2771					
15	SEQUENCE LENGTH:219 SEQUENCE TYPE:nucleic					
.0	TOPOLOGY: linear	acid				
	CLONE: HUMGS03229					
	SEQUENCE DESCRIPTION:					
00	GATCGATGGA CCGTAAATAA	GCTGCCATTA	ACACATCTGG	TTACTGCTGT	AACATGACTA	60
20	ATAAAACCGA ACGCCTGTTC					
	ATGTCCAGCA GAGTTACCCT	CCCAATTATA	TGTTCATTTT	GTATATTTTT	TGGTCGGGGG	180
	AAAAATTGAC CTGCAGTAAA	AAAACCTTTG	ACCATTAAA			219
25	070 ID NO.0550					
25	SEQ ID NO:2772 SEQUENCE LENGTH:120					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	acid				
	CLONE: HUMGS03230					
30	SEQUENCE DESCRIPTION:					
	GATCAGCACA GGAAGAGCCT	TCCTAAGCAT	GTGGTCCCAG	GGAAGGGTGA	AAAGTAGGAG	60
	TTATGAACGT AATCCACCTA	CTACAATGTT	GAATTAAAGT	TATAATCTCA	TAACTTCAAA	120
05	and the No office					
35	SEQ ID NO:2773 SEQUENCE LENGTH:120					
	SEQUENCE TYPE:nucleic	anid				
	TOPOLOGY: linear	aciu				
	CLONE: HUMGS03231					
40	SEQUENCE DESCRIPTION:					
	GATCCGCCCG CCTCGGCCTC	CCAAAGTGCT	TGGATTACAG	GCATGAGCCA	CCGCACCCAG	60
	CAAGAGTTAT TTNNTTAACT	TGAAATTTTC	TACTAGCCCT	GGTGAACTTC	TGTGCTTAAA	120
45	SEQ ID NO:2774	•				
	SEQUENCE LENGTH: 119					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
50	CLONE: HUNGS03233					
50	SEQUENCE DESCRIPTION:					

	GATCCAAGGT GATACAGCTG TAGTNCTTTC TATGGAATCT					60
	INDINCTITE INTUMATET	AUAUUNAUAA	IACATGIACA	AUAATATUUA	CIACCGICN	119
5	SEQ ID NO:2775					
	SEQUENCE LENGTH: 117					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear CLONE:HUMGS03234					
10	SEQUENCE DESCRIPTION:					
	GATCCCAGCT GTGTGTCACC	AGCAGCTTTC	CCAGCTTCTC	TGTGAGGGTC	ACTGCTGCCC	60
	ACTGCAGGGT CCCTGAGGTG	AAGTAAACGC	CGGCGCTGGG	CTTGGCCAGN	CGGCAAA	117
15	SEQ ID NO:2776					
	SEQUENCE LENGTH: 115					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear		-			
20	CLONE: HUMGS03235 SEQUENCE DESCRIPTION:					
	GATCATTCCC ATTTCATAGG	TTTTTATTGT	GGAATAGTCA	ACTTAATATA	GATTCACTTT	60
	CAATTTGCAT GTATAANGTA					115
25	SEQ ID NO:2777					
	SEQUENCE LENGTH:217					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
30	CLONE: HUMGS03236 SEQUENCE DESCRIPTION:				•	
	GATCCTGGGG TTGGTCTGCT	TTGTGTATGG	TACTTGAAAC	CACGCTGTAA	TTATTGTCCT	60
	GTTGCCAAAC AAAAGCCAGT					
	AGTTCCATGC TGATGTATCA			TGTATTATGG	CAAGAAGAGG	180
35	AAAACTGGAT TAATAAATAC	GTTTTNNNNN	NGTTAAA			217
	SEQ ID NO:2778					
	SEQUENCE LENGTH: 114					
40	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear CLONE:HUMGS03237					
	SEQUENCE DESCRIPTION:					
	GATCCTNAGC AACGAACACC	TGCACTTAGA	AAAAGTGGAC	AGCTTCTNCC	AACCACACCC	60
45	TACCCATGGN ACTGTATGCA					114
	SEQ ID NO:2779					
	SEQUENCE LENGTH: 113					
50	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					

	CLONE: HUMGS03239					
	SEQUENCE DESCRIPTION:				•	
	GATCCAAAAT TACCTTAAAT	GGAGTTAAGT	AGGCTTTGCA	CTAAATGGAT	ATAAAAGAGG	60
-	CTGTCTGGNC TNCTATGAAA					113
5	Cluteradic Inclutana	INAIUAIIAA	AAICCIIIGI	dildicitii	AAA	113
	SEQ ID NO:2780					
	SEQUENCE LENGTH: 359					
	SEQUENCE TYPE:nucleic	2014				
10	TOPOLOGY: linear	acru				
	CLONE: HUMGS03240					
	SEQUENCE DESCRIPTION:					
	GATCCTTAAA GAAGGTGTGG					60
15	TCAATATTTA ATGCTTCAGA					
	AGAAAACTTA AAANTATATG					
	GACAAGGGAA AACCTTCAAA	GCATGTTTNT	TTCCCTCACC	ACAGCAGAGC	ATGCAGTACT	240
	AANGCGATAT ATTTNTGATT	CCCCATGTAA	TTCTTCGGNG	GNNGGNCAGT	GCAGTNCTCT	300
20	TTCGGAAGCT TAAGATGGCC	NTGNGGCCTG	NCCNNNNGGN	CATATGCCCC	TGAAGGGCN	359
20						
	SEQ ID NO:2781					
	SEQUENCE LENGTH: 191					
	SEQUENCE TYPE:nucleic	acid				
25	TOPOLOGY:linear					
	CLONE: HUMGS03241					
	SEQUENCE DESCRIPTION:					
	GATCTAGGGC AGGCTGTCTT	CCAGTCCATG	TGTTCTCGGT	CGCCGTAGAC	AGCGCTCTGG	60
	CTACCACCGT GAGGCTACTT	GAACTGTCAG	GGGCATCTGC	CTAAACCAGA	ATCTTTTGTC	120
30	AGAAACCTTA ACCCAACAAA	ACAAATCTTG	AGTAGCTCAT	GCCCGGCTCT	TAGGAATTTT	180
	GTCTGTTTAA A					191
	SEQ ID NO:2782					
35	SEQUENCE LENGTH: 111					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03242					
	SEQUENCE DESCRIPTION:					
40	GATCACTCAA CAGCACTGTN	ATGTATTATT	TNNAATGAGG	TGCCTTTTTT	AACTGACCAA	60
	ATGCTGCCTT GTTTGGCCCC	TAANTCAATA	AAATATGTTA	AAATTTGTAA	A	111
	SEQ ID NO:2783					
45	SEQUENCE LENGTH: 109					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03243					
	SEQUENCE DESCRIPTION:	•				
50	GATCTAAGAA ATAGAATTAG	GGAGAGTTTA	CACTTACTTA	CCTATATAAA	AGCAGATTTT	60

	CNTGGAAGAA ACCCTTTTTT	TTTTTTTTT	TAAAANAGNA	NCANCCAGN		109
	SEQ ID NO:2784					
5	SEQUENCE LENGTH: 340					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS03244					
10	SEQUENCE DESCRIPTION:					
	GATCCAGAAG CTGGTGGACG					60
	AGAGTCCCTA CCAACGGGCA					
	TCCTGCTAGT AAACACTGGT					
15	CATGCCCACT TTNTGGGAGG GGGGCTTTTT AACTTTTATT					
	CTGGCTTCTT CAGGNAACCC			GATITUAACU	CICCTICACT	
	CIGGCIICII CAGGNAACCC	VCGIGGICIC	CIGINAGNIN			340
	SEQ ID NO:2785					
	SEQUENCE LENGTH: 108	•				,
20	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03245					
	SEQUENCE DESCRIPTION:					
25	GATCTTTAAG ACAACAAGTT				GCCTCTTAAT	60
	TAACTCAGGT AATGAAGAGC	TAACTGTGTT	ATAATCATCT	NCCNNNTN		108
	SEQ ID NO:2786					
	SEQUENCE LENGTH: 108					
30	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03247					
	SEQUENCE DESCRIPTION:					
35	GATCTGCTAA AAATGGCAAT				TGGAGAAAGA	60
	ATGTATTTTN TCCATTTCCT	TAATAAAATG	TTATATATGG	NTGCTAAA		108
	SEQ ID NO:2787					
	SEQUENCE LENGTH: 107					
40	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS03248					
	SEQUENCE DESCRIPTION:					
45	GATCTCTGAG GCTNCGGTCA				ACTNCAGTTG	60
	GGTGGTGATG GGGTNGTGCC	TTCTAACTTT	TNCCNTATCT	TTACCGN		107
	SEQ ID NO:2788					
50	SEQUENCE LENGTH: 125					
50	SEQUENCE TYPE:nucleic	acid				

5	TOPOLOGY:linear CLONE:HUMGS03249 SEQUENCE DESCRIPTION: GATCAGTAAG GATGACTGGT AAAAAAAAAGC ATAANCTATG CCAAA				
10	SEQ ID NO:2789 SEQUENCE LENGTH:104 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acíd			
15	CLONE: HUMGS03251 SEQUENCE DESCRIPTION: GATCGATTCT NTGACACAAA TACAATTTAA GCTATTAAAA			TGGCTGTATA	60 104
20	SEQ ID NO:2790 SEQUENCE LENGTH:104 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid			
25	CLONE:HUMGS03252 SEQUENCE DESCRIPTION: GATCATTACA TCTNAGATGT GGNACTTTCA GGTCATAGGC			TTGAAGGGGA	60 104
30	SEQ ID NO:2791 SEQUENCE LENGTH:104 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid			
35	CLONE:HUMGS03253 SEQUENCE DESCRIPTION: GATCCAAGCT ATGANATANC TGGTACTATG GCATATATGC			CATGTGATAA	60 104
40	SEQ ID NO:2792 SEQUENCE LENGTH:132 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid			
45	CLONE:HUMGS03255 SEQUENCE DESCRIPTION: GATCCAGTCT TAATTTGAGC AAGGAATAGT TGTTGGGTTT ANGTGTTCCC GN				
50	SEO ID NO:2793				

	SEQUENCE LENGTH: 102					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
5	CLONE: HUMGS03257					
	SEQUENCE DESCRIPTION:					
	GATCCAGGTG GTGTTACATG				NACAAAACAC	
•	CTTCAGTAGA GCCTTGATTA	AAAGGAAACC	TGNAGACTCA	AA		102
10	000 ID NO.0004					
	SEQ ID NO:2794					
	SEQUENCE LENGTH: 100					
	SEQUENCE TYPE:nucleic	acid				
15	TOPOLOGY: linear					
15	CLONE: HUMGS03258					
	SEQUENCE DESCRIPTION:	TOTT + OTO OT	MACATOTATA	<b>ፕሮሮፕሮሮ</b> ፕፕሮሮ	CC 4 TT CCTCT	co
	GATCTTCCCC TAGGGGGCCC			TOUTOUTTOU	CCATIGCIGI	60
	AAATATTTNA ACGAAATGGA	AAAUAAAAA	AAAAGACAAA			100
20	SEQ ID NO:2795					
	SEQUENCE LENGTH: 100					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	acra				
25	CLONE: HUMGS03259					
	SEQUENCE DESCRIPTION:					
	GATCACACAT CAAGACTATC	TACAAAANTT	TATTATATAT	TTACAGNAGA	AAAGCATGCA	60
	TATCATTAAA CAAATAAAAT	ACTTTTTATC	ACAACACAAA			100
30	SEQ ID NO:2796					
	SEQUENCE LENGTH: 98					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
35	CLONE: HUMGS03261					
	SEQUENCE DESCRIPTION:					
	GATCTAAATA CAAAGGATAT	ACAGTCTTGA	NTCTAAAATA	ATTTGCTAAC	TATTTTGATT	60
	CTTCAGAGAG AACTACTAAT	AAAAATCTAA	AAGGTAAA			98
40						
	SEQ ID NO:2797					
	SEQUENCE LENGTH: 97					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
45	CLONE: HUMGS03263					
	SEQUENCE DESCRIPTION:	0010011505	mama . mm : : : : : : : : : : : : : : : : :		***********	٥٥.
	GATCGTNCCT ATAAATAGTA			ATCATCAGGC	IIUUAATUAA	
	TTCTCTCTAA AAATAAAATN	AIGIATGATT	NGIIAAA	•		97
50	SEO ID NO-2798					

5	SEQUENCE LENGTH:96 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03264	acid		·		
	SEQUENCE DESCRIPTION: GATCACTAAA GTATATCTTT TTGTAACANT AGCACAANTA			AAAAGATGTA	CTTNTGACCA	60 96
10	SEQ ID NO:2799 SEQUENCE LENGTH:93 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
15	CLONE: HUMGS03267 SEQUENCE DESCRIPTION: GATCTGCTGT CTCCGTCCCT GCCTGGCTTT AATAAAGAGT			CTGCAGCTGT	CAGCAGGAGG	60 93
20	SEQ ID NO:2800 SEQUENCE LENGTH:93 SEQUENCE TYPE:nucleic TOPOLOGY:linear	aci d				
25	CLONE:HUMGS03268 SEQUENCE DESCRIPTION: GATCAAGTTC GAGGAGGCAG CCGGANATAA AGNATACAGA			CTGGAGGGCC	GCTNACCCTG	60 93
30	SEQ ID NO:2801 SEQUENCE LENGTH:89 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
35	CLONE:HUMGS03271 SEQUENCE DESCRIPTION: GATCCATTCT TGTATTGATA CTGCTATGAA CATTCTTGTA		TGTTTCCAGT	TTTTCCTATT	ATGAATAAAA	60 89
40	SEQ ID NO:2802 SEQUENCE LENGTH:95 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
<b>4</b> 5	CLONE:HUMGS03274 SEQUENCE DESCRIPTION: GATCGACAGC GTCCTGGCCT AAGTCCCGAG CAATGAAGTC			TCAGGGTCAC	CCAAGCAACA	60 95
50.	SEQ ID NO:2803					

5	SEQUENCE LENGTH:84  SEQUENCE TYPE:nucleic acid  TOPOLOGY:linear  CLONE:HUMGS03279  SEQUENCE DESCRIPTION:  GATCTCTACA GAGAGAAGTG GAAAATGCTG TATCAAGGC  AATAAAGATG TGAGAAGCTT CAAA	GT GGGCTTAGCT GTGCCTTTCC	60 84
10	SEQ ID NO:2804 SEQUENCE LENGTH:79 SEQUENCE TYPE:nucleic acid		•
15	TOPOLOGY:linear CLONE:HUMGS03281 SEQUENCE DESCRIPTION: GATCTTTGCC CCTGGTATGC ATTTNTGGAC TCCACTGAA TTCCTTCTTA CTTGCCAAA	AT CCTGNGAAAA AAAATTAAAC	60 79
20	SEQ ID NO:2805 SEQUENCE LENGTH:79 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03282		
25	SEQUENCE DESCRIPTION: GATCCTGTCA GTTCCATNAG CTATTCCTCT TTGGTTTGG ATNTTTAATT CCTTTTAAA	C TTTTTGATAT NATTAAAATA	60 79
35	SEQ ID No:2806 SEQUENCE LENGTH:77 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03283		٠
35	SEQUENCE DESCRIPTION: GATCAATTTT TATAAAAATC GAGACAGTTC TGTGGTTAA TAGAAGTTGG CGTGAAA	A TCTACAAATT AAAGGGAAAT	60 77
40	SEQ ID NO:2807 SEQUENCE LENGTH:77 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear		
45	CLONE:HUMGS03284 SEQUENCE DESCRIPTION: GATCTATTTT ATGCATATTG TTTATAAAGA CACATTTACATNACCATAT TATGAAA	CA ATTTACTTTT AATATTAAAA	60 77
50	SEQ ID NO 2808		

5	SEQUENCE LENGTH:75 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03286 SEQUENCE DESCRIPTION: GATCTTCAGT AAGTCTCTCA GGCTCTCTGA GCTTGTTCAT CCTTTGTTTT GAAAAAATTA CTCAACCAAT CCAAA	60 75
10	SEQ ID NO:2809	
	SEQUENCE LENGTH:74 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
15	CMCMMCA CARCA CARCA	60 74
20	SEQ ID NO:2810 SEQUENCE LENGTH:73 SEQUENCE TYPE:pucleic acid	
25	PPC LC L PPPC A A A A	60
30		73
	SEQ ID NO:2811 SEQUENCE LENGTH:66 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
35	TOOLAA	60 66
40	SEQ ID NO:2812 SEQUENCE LENGTH:67 SEQUENCE TYPE:nucleic acid	
<b>45</b>	TOPOLOGY:linear CLONE:HUMGS03297 SEQUENCE DESCRIPTION: GATCCGAGGG GGAGGGGTGG GAAGGGGAGA AAATNAAATA AAAGATAATT ACTGAACACG	60
50	SEQ ID NO:2813	67

5	SEQUENCE LENGTH:63 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03299 SEQUENCE DESCRIPTION: GATCATTGAA TTTAAGGCCC ACCCCAAGTC CAGANTGACC TCGCAAGACC CTTAACTCAC	60 63
10	SEQ ID NO:2814 SEQUENCE LENGTH:62 SEQUENCE TYPE:nucleic acid	
15	TOPOLOGY:linear CLONE:HUMGS03300 SEQUENCE DESCRIPTION: GATCTTTTGT ACTININATA ACCIAATGTC AGACTAAGAA AAATAAAATA TCTGAGAGTA AA	60 62
20	SEQ ID NO:2815 SEQUENCE LENGTH:60 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
25	CLONE:HUMGS03304 SEQUENCE DESCRIPTION: GATCCCTTCG AGACTAANTC TGTTACCAGT CATGAAACAT TAAAACCTAC AAGCCTTAAA	60
30	SEQ ID NO:2816 SEQUENCE LENGTH:68 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
35	CLONE:HUMGS03305 SEQUENCE DESCRIPTION: GATCTTTGTC TTTTGTCATG ACAAAGCATT TATTTAATAA AGTTATGCAN TCAGTTAAAA AAANCAAA	60 68
40	SEQ ID NO:2817 SEQUENCE LENGTH:58 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
<b>4</b> 5	CLONE:HUMGS03306 SEQUENCE DESCRIPTION: GATCAGATTT TTTATGCCAT CCTCATTAGT TTTCCAATAC AATATAAGTT GAAACAAA	58
50	SEQ ID NO:2818 SEQUENCE LENGTH:58	
JU	SEQUENCE TYPE:nucleic acid	

5	TOPOLOGY:linear CLONE:HUMGS03307 SEQUENCE DESCRIPTION: GATCTCAGAC TTCTGGCTTC	CACAACTGTA	ACAATAAATT	TATGTCGTTT	AAGCCAAA	58
10	SEQ ID NO:2819 SEQUENCE LENGTH:57 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03308	acid				
	SEQUENCE DESCRIPTION: GATCCACTGG GTGAATCCTC	CCGCTCAGAA	CCAATAAAAT	AGAATTGACC	TTTTAAA	57
15	SEQ ID NO:2820 SEQUENCE LENGTH:56 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
20	CLONE:HUMGS03310 SEQUENCE DESCRIPTION: GATCTGTGGT CATTGTCCCT	CTGCAGAATA	AAGATTGCTC	AGGCCTGCCT	GGCAAA	56
25	SEQ ID NO:2821 SEQUENCE LENGTH:59 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03311	acid				
30	SEQUENCE DESCRIPTION: GATCTTTGGT TTGTTTCCAG	GTTTGGTTAT	TATNAATAAA	GTTGCTGTGA	ATACTTAAA	59
35	SEQ ID NO:2822 SEQUENCE LENGTH:56 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03312	acid				
40	SEQUENCE DESCRIPTION: GATCTTCATT GGGGGATTGA	GCAGCATTTA	ATAAAGTCTA	TGTTTGTATT	TTGAAA	56
45	SEQ ID NO:2823 SEQUENCE LENGTH:54 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03313 SEQUENCE DESCRIPTION:	acid				
50	GATCTAAGAA ATAAAGAGAA	ATGTTTCANT	TTGCATTGAA	ATAGGAAAAC	GAAA	54

5	SEQ ID NO:2824 SEQUENCE LENGTH:53 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
	CLONE: HUMGSO3315 SEQUENCE DESCRIPTION: GATCATNACT GGCTTTGCGC ATCGAGGGGC CATTAAAGAG TCTACTTTTC AAA	53
10	SEQ ID NO:2825 SEQUENCE LENGTH:52 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
15	CLONE: HUMGS03318 SEQUENCE DESCRIPTION: GATCTTTTTA AAACTGCAAG TGTTGAATAC TAGAGGTTGT TAGACCNTTA AA	52
20	SEQ ID NO:2826 SEQUENCE LENGTH:51 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03319	
25	SEQUENCE DESCRIPTION: GATCTTGCCA CTGTAGTCCA GGCTGGGCTA CGGAGAGACC CTGCCTCCAA A	51
30	SEQ ID NO:2827 SEQUENCE LENGTH:54 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03324 SEQUENCE DESCRIPTION:	
35	GATCCTTGCT GATAAATATA ACCATCAATA AAGAAGCATT CTTTTCCAAA GAAA	54
40	SEQ ID NO:2828 SEQUENCE LENGTH:50 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03325 SEQUENCE DESCRIPTION:	
	GATCTCACCA CACTGCAACC TCTGGCGACA GAGCGAGACT TGGTTTCAAA	50
45	SEQ ID NO:2829 SEQUENCE LENGTH:50 SEQUENCE TYPE:nucleic acid	
50	TOPOLOGY: linear	

	SEQUENCE DESCRIPTION: GATCCACCCA CTCTCTGAAA		T AATAAAACAT	TCCTACTAAA	L	50
5	SEQ ID NO:2830 SEQUENCE LENGTH:55 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03331	acid				
10	SEQUENCE DESCRIPTION: GATCTTTTT TTTCCTTACA	GACACCCATA	ATAAAATATC	ATATTAAAAT	TCAAA	55
15	SEQ ID NO:2831 SEQUENCE LENGTH:53 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03332	acid .				
20	SEQUENCE DESCRIPTION: GATCCAGGGG GAAATGCTGG	AAGTCAATAA	AACTGAGTTT	TGAGAGCTTG	AAA	53
25	SEQ ID NO:2832 SEQUENCE LENGTH:131 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03356 SEQUENCE DESCRIPTION:	acid				
30	GATCCACATA AAAAGAAATG ACCTTTGTTG GGAGGCGGTT TTTCAGTGAA A					60 120 131
35	SEQ ID NO:2833 SEQUENCE LENGTH:431 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03374 SEQUENCE DESCRIPTION:	acid				
40	GATCTGCTGA TTGCATTATT TACAGACTTT TNCTTTTGTA CATTTTAAGA CTCAATTTTA	CCTAGCAGTA AAAAATNATT	CTTTATATAG AATCTGTTGC	TATAGCTTTG TGACTCTTAA	GGCCATGTAG TTCCTATTTC	180
<b>4</b> 5	AATATGTGTT TCCTTGAAGA CACACTATTT TNGTGGGTGT TTTTNAATTN GTTTGAAACA GAAGCCAATG GCATTTTNGG GTTTGTGCCC N	GTATATATCT GACTTTCTGC	GATTTGGGAA CTGTGACATT	GAATTTAAAA TNNGCNTTTA	AACACATAGC NCCAATTAAA	300 360
50 .	SEQ ID NO:2834					

5	SEQUENCE LENGTH: 429 SEQUENCE TYPE: nucleic acid TOPOLOGY: linear CLONE: HUMGS03375	
	SEQUENCE DESCRIPTION: GATCCCATGG GTGGCACATT GGGACTTCTN TCCCTCCCCC ATCTACACAG AAGACTGTCA 6 CCATGCTGAC AGAAGCCTGT CCTTGTAAGG CCCAGCCTTC CAGGGGAACA CTCAGACATG 12	0:
10	TTCATTCTCT TCCTGCTTCT GCTCTGGGCC GGTGGGTGGC TCTCAGAAAA TACTTGCTGC 18	0
	TGGCAAAAGG CCTGTACTCA GGCATTTGCT TTGACTTGAT GTTGCCAAGG GACTGAGGCC 24	
	ATTGGCAGGC TTAGTACCAC CTGCTCCTCA TCTTAGGAGT CTCCTTTTCA AATAATTAGG 30	
	CTCTGTTCCC ATTTTAAAAC TCTGATATTG GGCTTCACCT GTGACTGGAC ACTTTACTAG 36	
15	AGGCCCATTT NCACTAAACA NTAAAATCTA AATAAATTGG AAGGAATAAC AACNACAAAG 42 GGNTAGAAA	
75	GUNTAGAAA 42	9
	SEQ ID NO:2835	
	SEQUENCE LENGTH: 427	
20	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUNGSO3376	
	SEQUENCE DESCRIPTION:	
	GATCTGGGCT TCCTNACTTC TGGAGAAGTG GCCATCCCAT GCCCACCTTT NCCATGGAGG 60	
25	AGTGGGCCCT GCCAGCTGCC ACAGCTGCAT GACCTGCTTC CCCACCCCAC	
	CAGTGCCAAA GCCAGACCAC TGGGGTTTCC TGCTGCAGGA ATTGGGGGCT GGGAACAGCA 240	
	GAGGGGATAG AAGTNTGGTG GAGGTGGAGT GGGCACGCNT TAGCCTACGG AAAGGNCCAT 300	
	TTTTTGGGNC CACTGAGCTG CACTGGGATT TTTCANTTCT GGNCCTGANT NCCTTTAGGG 360	
30	NAAATAACAC AGCAGGACCN CGGTGGGGAT TTTAAGNACT TTTTTTTNNA GATTNAAANG 420	
	GNTTCTN 421	
	CEO ID NO. 2020	
05	SEQ ID NO:2836 SEQUENCE LENGTH:416	
35	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS03377	
	SEQUENCE DESCRIPTION:	
40	GATCCTGATG CTGCCAGAGC CATTGTGGAT GCTTTACCAC CACCCTGTGA ATCTGCCTGC 60	`
	ACAGTACCAA CAGACGTGGA TAAGTGGTTC CATCACCAGA AAAACTAATG AGATTTCTCT 120	
	GGAATACANG CTGATATTGC TACATCGTGT TCATCTGGAT GTATTAGAAG TAAAAGTAGT 180	
	AGCTTTTCAA AGCTTTAAAT TTGTAGAACT CATCTAACTA AAGTAAATTC TGCTGTGACT 240	
45	AATCCAATAT ACTCAGAATG TTATCCATCT AAAGCATTTT TCATATCTCA ACTAAGATAA 300	
	CTTTTAGCAC ATGCTTAAAT ATCAAAGCAG TTGTCATTTG GAAGTCACTT GTGAATAGAT 360	
	GTGCAAGGGG GNGCACATAT TGGNTGTATA TGTTTNCCNT ATGTTAGGGG ATAAAN 416	
	SEQ ID NO:2837	
50	SEQUENCE LENGTH: 398	

	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03378					
5	SEQUENCE DESCRIPTION:					
J	GATCAAAGAT GAGGCCACAA	GGACACCAGC	AACTGAAGAG	GCTGCCTACT	TGGTATCAAG	60
	ACTGAAGGAG AACTACGTTT					
	TAAGCCCCCA ATGTGCTTCA					
	CATTCTGACT GACATGGAAG					
10	AGCCAGCCCT GCTCTGCCTA					
	TATTGAGAAG GCGAGCCTGA					
	GTGGGGGGC CTGCCCGAGG			TORGETTION	UNUUCICAUU	398
	0.0000000 0.0000000000	CONTANTUCT	ACCCACCII			330
	SEQ ID NO:2838					
15	SEQUENCE LENGTH: 408					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear	acru				
	CLONE: HUMGS03379					
20	SEQUENCE DESCRIPTION:					
	GATCGCACAC ATGCTTTGTT	TGGAATATGG	AGTGAACACA	ATTATCTACC	A A A T T T A A C T	60
	TGGCAAACTT NCTATTGCCT					60
	CACTCTCCTG TTGACTATTT					
	ANGGCCATAG CGCCATCATG					
25	GGCTCTGCTT CCTGCTGGCC					
	AAATTGTTTT CTTANGGAAA					
	TTTGGGGGAA NAAATTNCNG				IIAAAAAIAN	408
	TITOUGUM MAARTINGING	MACHOUAGG	UIIAAAAIII	ANCHHANN		400
30	SEQ ID NO:2839					
	SEQUENCE LENGTH: 388					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear	5514				
35	CLONE: HUMGS03380		•			
33	SEQUENCE DESCRIPTION:					
	GATCCACCAG CTGAGCAGGG	CGGGGCTGAG	TAAATGCCGG	CTTACCATCT	CTACCATCAT	60
	CCGGTTTAGT CATCCAACAA					
	ATTGGAGCTG AAGACCTAAA					
40	CTGCATTATC TATGCAGCAT					
	TAATAACAAA CGTGTTTTTT					
	TAAATTGTTT CATATCTGGT					
	AATAAAAGTT TTNCAACTTT					388
45						
••	SEQ ID NO:2840					
	SEQUENCE LENGTH:80					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
50	CLONE: HUMGS03381					

	SEQUENCE DESCRIPTION: GATCTTGCTG AAAGTGTTTC NAAAAAACGT ATCATGCAAA		ACCACTTTTT	TTTTNAAAGC	TTTTATATAT	60 80
5	SEQ ID NO:2841 SEQUENCE LENGTH:384 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
10	CLONE: HUMGS03382 SEQUENCE DESCRIPTION: GATCTTGTCC TAGCCTTTTN	ACTTTTGC A A	<b>ተተተ</b> ር 4 <b>GT</b> 4 ቸር	<b>ፐ</b> ተርልፐር ተርጉል	AACTAGGGAA	60
15	ACACTNGGAT TCTTTCTTAG AGACTGCTGT GCTGAAAGAG	CTGTGGGGGA	AGGTATTTGG	TTAGATGACT	TTGAATGAAT	120
15	GGATGCTCTT ACTGCAGCAG AGTTTTTCTA GGTACCATGA GTGAGTGGGA CTGATAAACT	TCATGAATAC AGGAAGATTG	ATTTTTAGCC ACCCTGTTGG	ATTTACCTAA TATGCCTGTG	GGAAAAAGAC GGGGTGGGAT	240 300
20	TANTAAATGN GACTACACAA		diicdinidi	ACATACTOCK	nunniciten	384
	SEQ ID NO:2842 SEQUENCE LENGTH:376 SEQUENCE TYPE:nucleic	acid				
25	TOPOLOGY:linear CLONE:HUMGS03383 SEQUENCE DESCRIPTION:	CC + T + TTCTC	4.4.4.0MMC.4.4.T	<b>ል</b> ጥጥጥጥር ውጭጥጥ	CTCC LC LC LT	60
30	GATCCAGGGC AAGGCCATTG AAAGACCTTT TCCATGCACC TTTCTAGCGC ATGGCCTGGT GCTTGTAGTT TTGGCTAGTC	CTCATACACA TAGAGGCTGG	GAAACCAATT TTTTTTCTCT	TTNTNTNTNA TTTCCTTTGG	TACTCAATCA TCCTTCAAAG	120 180
	CCCCTGTCCC CTCTATGACC CCGCCTGTGA AATACCAACC	TCGCCCTCCA	CAAATGGGAA	AACCAGACTA	CTTGGGAGCA	300 360
35	TGAAGGTGGA CANGCN SEQ ID NO:2843					376
40	SEQUENCE LENGTH:370 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE:HUMGS03384 SEQUENCE DESCRIPTION: GATCCCAAAC CTAGCCCCCT	AGTGGGACA A	GGACCTGACC	CTCCTGCCCG	CATACACAAC	60
45	CCATTTCCCC TGGTGAGCCA TTCCTGAGCT GAACATGGAG AGCTCACAGC CTTGGGAAGT	CTTGGCAGCA CAAGGGGAGG	TATGTAGGTA GTGACTTCTC	CCAGCTCAAC TCCACATAGG	CCCACGCAAG GAGGGCTTAG	120 180
	AAAGGCCACA CACATCATTG AGCTCAGTGA GGATTCTGAC	TCATTACTGT	TTTAATTGTC	TGGCTTCTCT	CTGGACTGGG	300
50	TATTCGCTTN					370

	SEQ ID NO:2844 SEQUENCE LENGTH:367 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03385	acid				
10	SEQUENCE DESCRIPTION: GATCTGTCAT CTGGTGCTGC AGCTGCTGTC TNCCTCCTCT CCTTGGAAGG GAGGGAACCA CTGCCTCTCC CTGCCCCAG GTGTCGTGGC AGGGTCTNGC CTGCAAGCCT GGTCATGGCC TTATNAA	GCCCCCATCC CCCGTNAGCC CACAATTGGC ACAGGGNCAT	CCTGGCTCTC CCAGGGCTTG AGAGATGAGG GTCCTGGCTG	CCCTGGGCAC GNAAGCCTGA CGGGTGGTGG TAACCCAGGC	AGTGCCACTC GGCGGTGNCT ACGGCTGGGG AGTGGGAGGT	120 180 240 300
20	SEQ ID NO:2845 SEQUENCE LENGTH:366 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03386 SEQUENCE DESCRIPTION:	acid				
25	GATCTCCAAC ACTATCCGAT TGGAACTGAG AAAAAGCAGA GCCCGACAGC AGCTAGAGGC CGGACACTGG TCGGCTGCTT GCGCAGGAGT TCCTCAAGCC CTGGCCATGG TACCCGGACA	GGATTCGGAC GCTGCTCAAC CCTCTGCACT GTCGGATTCC	GGAGAGCGCG AAGACTATGC GACCGTGACT TTCTCTGCCG	AGGACTCGGC GCATTCGCAT GCAATGTCAT GGGAGCCCCG	GGCTGAGCGC GACAGATGGA CCTGGGCTCG TGTGCTGGGC	120 180 240 300 360
35	GGGCCN  SEQ ID NO:2846 SEQUENCE LENGTH:365 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03387	acid			·	366
40	SEQUENCE DESCRIPTION: GATCCCCCCA AGGNGAAGTG AACGTCTGCN TCAACATCCT ATTNATGGCC TGCAGTATCT GCCGCAGAGG TCCTGCAGAA CGGGGTGGCT ACATCGGCTN	CAGAGAGGAC TTNCTTGGAG CAACCGGCGG	TGGAAGCCAG CCCAACCCCG CTGTTTGAGC	TCCTTACGAT AGGACCCACT AGAACGTGCA	AAACTCCATA NAACAAGGAG GCGCTCCATG	120 180 240
45	CCCACCONNG GCCACGGCCA ATGGN SEQ ID NO:2847 SEQUENCE LENGTH:364					

5	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03388 SEQUENCE DESCRIPTION:	
	GATCTAGAGT ATGTTGAAGA AGATGGACAT GTGGTGGTAC GAAAACAATT CCCCTGTGGC	60
	CTGCTGGACT GGGTGGAACC AGAACAGGCT AAGGCATACA GTTCTTGACT TTGGACAATC 12	20
	CAAGAGTGAA CCAGAATGCA GTTTTCCTTG AGATACCTGT TTTAAAAGGT TTTTCAGACA 18	80
10	ATTTTGCAGA AAGGTGCATT GATTCTNAAA TTCTCTCTGT TGAGAGCATT TCAGCCAGAG 24	40
	GACTITGGAA CIGIGAATAT ACTICCIGAA GGGGAGGGAG AAGGGAGGAA GCICCCAIGI 30	00
	TGTTTAAAGG CTGTAATTGG AGCAGCTTTT GGCTGCGTAA CTGTGAACTA TGGCCATATA 36	30
	TAAN 36	
15		
	SEQ ID NO:2848	
	SEQUENCE LENGTH: 363	
	SEQUENCE TYPE:nucleic acid	
20	TOPOLOGY: linear	
20	CLONE: HUMGS03389	
	SEQUENCE DESCRIPTION:	
		0
	AGAAATAGCT GAAAAGGGCA CTCGCAACCC TGGGCTGGGG AGGAGGAGGAG AGTCCCAGAG 12	
25	CTCATCCCCC CTGCTGCCCA GTGCAAACCA CTTNTCCATG CTGCAAAGGA GAAGCACAGC 18	
	TCCTGCCAGG GTGAGCAGGG TCAAGCCTCT TATTCCAGGA GAAGGGGGCT CTGCCCAGGC 24	
	CCTACTACCN ATTGTNCCCT TCCTCTTCCT GCCCTTGGAA CCCCCTNCCT GTCCCAGGGC 30	
	CCTTCNAGCC CATTGCTGCC AAGGTGGAGG GANGGATAAA GNCACTTCTG GGTTTTGAAG 36 CCN 36	
30	36.	3
	SEQ ID NO:2849	
	SEQUENCE LENGTH: 361	
	SEQUENCE TYPE: nucleic acid	
35	TOPOLOGY: linear	
35	CLONE: HUMGS03390	
	SEQUENCE DESCRIPTION:	
	GATCTGGGTG TGGCCAAAAA CAATTTTNTT TATTCTGTCT ATCAAATAGT ACTTCTACCA 60	0
	CTGTTTGGAG AAAATTGAAG AAAAGAATAA GATGATTAAA TGAATTCTCT AAAAGAACAT 120	
40	ATTTTAAGAG ACAGAACTTA GACATAACCA AGTAGTTGTA TACCTGATTG TAACAATCAT 180	
	CTTTTATAAA AGCAAAATTA TGCATAAATG TAAAACACCC CTAAACAAAG GGAACAAATG 240	0
	ANTITITIGGT TATATTGTTT TCTTGGCTCA AAGTATCAAT TTATTATTAT AATAGAAATT 300	
	TATAAGTTGC TAGAAAGTCT ATATTTTTAA CGCACGGAAT AAAANTATGT TTTCTATTAA 360	0
45	A 36	1
	SEQ ID NO:2850	
	SEQUENCE LENGTH: 355	
	SEQUENCE TYPE:nucleic acid	
50	TOPOLOGY: linear	
	CLONE: HUMGS03391	

	SEQUENCE DESCRIPTION:	
	GATCTGTCTC CAAGACCTTG GCCTCTCCTT GGAGGACCTT TAGGTCAAAN TCCCTAGTCT	61
5	CCACCTGANA CCCTGGGAGA NAAGTTTGAA GCACAACTCC CTTAAGGTCT CCAAACCAGA	120
3	CGGTGACGCC TGCGGGACCA TCTGGGGCAC CTGCTTCCAC CCGTCTCTCT GCCCACTCGG	180
	GTCTGCAGAC CTGGGTTCCC ACTGAGGCCC TTTGCAGGAT GGAACTACGG GGCTNGNAGG	240
	AGCTTTTGTG TGCCTGGTAG AAACTATTTC TGTTCCAGTC ACATTGGCCA TCACTCTTGT	300
	ACTGNCTGCC ACCGNGGAGG ANNOTEGETCA GAGGNGAAAG GGAGTGGAAG	355
10	Constitution of the Consti	333
	SEQ ID NO:2851	
	SEQUENCE LENGTH: 344	
	SEQUENCE TYPE:nucleic acid	
••	TOPOLOGY: linear	
15	CLONE: HUNGS03392	
	SEQUENCE DESCRIPTION:	
	GATCTAGTTC TACGTATTAC ACAGGTGTAA TATCTGTGAG TGTAAATAAC TGGAACTGTA	60
	CACTGATTAA CATGNCAGTT TCTCTTTTGT TGTTCTTATC TGTACTGTAT TATAGTATGT 1	טט מפו
20	GGGTATAAAT ATCTACAAGT ATACACACAT ATGTNCTNGT ATTCCACTAT TGTAACCTGG 1	120
	AAGAAAGACT ATGNATNCCC TNTTNNAATT CCGTACTGGT ATTNGTGTTA TTTAAAAAGC 2	100
	AAAATNCGGC TCTATTTAGT TGTATAATAT TAGAGGGTAC TNNGCTTGNN CACAATTCCA 3	100
	ACTCCCCTTA CACCATTCTT TACCTUNGCC AACTATATATATA	300 344
•	3	)44
25	SEQ ID NO:2852	
	SEQUENCE LENGTH: 341	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
30	CLONE: HUMGS03393	
	SEQUENCE DESCRIPTION:	
	GATCTATGAG CCTGTNTNGG ACAGCCAGAT GGTCATCATA GTCACGGTGG TGTCGGTNTT	60
	GCTGTCCCTG TTCGTNACAT CTGTCCTGCT CTGCTTCATC TTCGGCCAGC ACTTGCGCCA 1	
~-	CNGCGGATGG GCACCTACGG GGTGCGAGCG GCTTGGAGGA GGCTGCCCCA GGCCTTCCGG 1	20
35	CCATAGCAAC CATGANTGGC ATGGCCACCA CCACGGTGGT CACTGGAACT NAGTGTGACT 2	00
	CCTCAGGGTT GAGGTCCAGC CCTGGCTGAA GGACTTGTNA CAGGCAGCAG AGACTTGGGA 3	70
	CATTGCCTTT NUTLCCCCC NTACLIC CTCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	41
	<u> </u>	71
<b>1</b> 0	SEQ ID NO:2853	
	SEQUENCE LENGTH: 567	
	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY:linear	
15	CLONE: HUMGS03394	
13	SEQUENCE DESCRIPTION:	
	GATCTCAACA CCAAACACAC ATCTCAGTGG COTCAGTGG COTCAGTGG	60
	GCAGCTGTTG ATGCCAGTNT CCTCTAACTC ATGCTGTCCT TGTGATTAAA CACCTCTATC 12	
	TCCCTTGGGA ATAAGCACAT ACAGGCTTAA GCTCTAAGAT AGATAGGTGT TTGTCCTTTT 18	80
60	ACCATCGAGC TACTTCCCAT AATAACCACT TTGCATCCAA CACTCTTCAC CCACCTCCCA 24	40
	TACGCAAGGG GATGTGGATA CTTGGCCCAA ACTAACTGGT CCTAGGAATC TTAGAAACAN DA	

5	GACCACTTAT ACTGTCTGTN CCTTAAANGG AAATCTTTAT AANCCCANNC TCCTNGGGAT TTTNNCATCA CGGGGCTTTG ACNCTATGGT NCTTTNNTAA	TAATCACGNA GCACANCCTG ANTTCNAGGA	TGGTTCACAG TCAAGNGTCT	ATAAATTCTT TTTTACACAC	TTTTTAAAAA AANTTTCAGG	420 480
10	SEQ ID NO:2854 SEQUENCE LENGTH:349 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03395	acid				
15	SEQUENCE DESCRIPTION: GATCTTTACT TTTTTACTTT GATTTTAAGG ACGGTTTTGA AAACATACTG AATGGAAGAA TGAAATNATA GATAAATGGT	AAAAGAAAAG ATATTTAGAT	TGTTGGGAAT TAAAAATGAG	GAAGCAAGTG GTAGGTTGAA	ATTGATTGGA GTTTCTNCTC	120 180
20	TGCAAAGTAC TTACAATGTT ATTACCTAGA ATGCAGGGTT	CTGGCACATA	GTAATTNATT	NNGANAATCG	-	
25	SEQ ID NO:2855 SEQUENCE LENGTH:334 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03396	acid				
30	SEQUENCE DESCRIPTION: GATCCGCTGT ATTGTGGAGT GCATGTGTTA CATAGAAATC CACTTCAAAA GCAATGGAAT CGTGAGGAGT AATTGAATGT TCAACTGGTT AAAACATGAN	TCATTTATTT AATCTTTCAA AATCCATCTC TGAAACCTCT	GGCTACCATT AAGCAATAGA TTACAAAATG GTGGCTCTTT	GCAGATGCCA ATAATCTTCC GAGACAGGGT	GTCCAACCAG ATTTGGCTGT CTTTACCAAC	120 180 240 300
35	GAANGCTACT TAACTTNGGC  SEQ ID NO:2856 SEQUENCE LENGTH:332	TGTATTCTCA	TGGN			334
40	SEQUENCE TYPE: nucleic TOPOLOGY: linear CLONE: HUMGS03397 SEQUENCE DESCRIPTION:	acid				
<b>45</b>	GATCGGCCTG CTGCTCCGCA TCCAACGTCA CCACCATCCA TCAAGAGNAC AGACTCTAGA CTNTCCTTTC TAGGACCTCG ACAGTAAATG TATGGGGTCG	CACCCCGGAC GACTGTCAGA GGGTCCCTCT	ACCCAGTGAT GCTGACCCCA GGGCCCAGTT	GGGGGAGGAT GCTAAGGCAT TCCCTATCTG	GGCACAGTGG GGCACCGCTT TAAATTGGGG	180 240
50	GGTGCTCAGT AAAGGAGAGC	AATTCTTACA	AA			332

5	SEQ ID NO:2857 SEQUENCE LENGTH:331 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03398	acid				
. 10	SEQUENCE DESCRIPTION: GATCCTGGGT GTNTNTGTAA GGGGAAAGGC AGACCCACCC ATAAAGCAGG CAGAAAANTG TCCCATGCTG GATGCTTCCT	GGGTNTTGCC TTAATCTGAG AAAAANNTAG GCCCTTGAAA	TGGACACCAT ACTGGCCTAG ATTGGACTCC	CTAATCAGCT CCTCCCAGCC AGGTTCTTNA	GCCAGCGAAA TACATCTTTN GTTTTGGGAC	120 180 240
	TTGGACTGGC TCTCCTTCCT TGTAAGTTCA TACTTAATAA			ATTGTGGGAC	CTTGTGTTTC	300 331
15						
	SEQ ID NO:2858					
	SEQUENCE LENGTH: 351					
	SEQUENCE TYPE:nucleic	acid				
20	TOPOLOGY: linear					
20	CLONE: HUMGS03399					
	SEQUENCE DESCRIPTION:					
	GATCGAGTCT ATACGCTGAA	GAAANNTGAC	CCGATGGGAC	AACAGACCTG	CTCAGCCCAT	60
	CCTGCTCGGT TCTCCCCAGA					
25	TTCAAGGTGC TCATGACCCA					
	TCTTTTCTGC CACCTGTTAC					
	CCTNATGCCT TTTTGCCAGC					
	TATGCTTGTT GTGAGGNAAT					351
					-	
30	SEQ ID NO:2859					
	SEQUENCE LENGTH: 330					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
35	CLONE: HUMGS03400					
	SEQUENCE DESCRIPTION:					
	GATCCTGGGG GCCTGGGTTG	GGGGCTAGGG	AGACGCCATG	TGATGGACAC	TCCAGGGACA	60
	CACAGCCTAG CACAGCAGCT					
	ATTCCCTGGA TAGACGAGTT					
40	CCTTTGTAAG TGCAGGAAAC					
	CTTTGCCATT GTGAACCATG					
,	GCTGAGACTG TGCTGTTGTT					330
45	SEQ ID NO:2860					
	SEQUENCE LENGTH: 330					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03401					
50	SPONENCE DESCRIPTION.					

	GATCTGGAAA GGACATGACT	TCTGAAATAG	CCGCTGCTGG	GTTTTAAAAG	CTGAGGTCTC	60
	TCAAAGTGTG GAGGAGACGT	TGCCGTCAGN	GGGAGCCAAG	TGCCGGGAAG	ATGTCTATTT	120
	TTTTCCTTGT GTATTGAAAA	TCATGATGTT	TGTTATGACT	GCTGATGCGA	TTGTNTTTGT	180
5	AAATNTNATT GTGGCATATA	CAGTATTGTC	ATACAGTTGA	AGAGAAACAA	TGTTTCCTAA	240
	TGTAAGTNCT CTGAAAATGT	TGACACTGTA	TATATATATA	TNAGGATAGT	TTGTNTTTCN	300
	NTGTTTGGGG TTTNNNNTTN	TTTCNGNTGN				330
10	SEQ ID NO:2861					
	SEQUENCE LENGTH: 396					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03402					
15	SEQUENCE DESCRIPTION:				_	
	GATCTTAAAC CCAAAGTACG					60
	ATTTATCAAG CGCCAAAAAG					
	TTCTTTATCC TCTGATTCTA					
20	GCTATTAGGG AAGAGAAGAA					
	AGTAGCAGGG TATTGCCTTT					
	GCTTGCTGTT CCCAAATATG			TTTTTCCCTG	CCAACANNTC	
	NTNGATTGGC TTTGCAGANA	INNAGGIIIG	ANTIGN			396
25	SEQ ID NO:2862					
	SEQUENCE LENGTH: 330					
<b>\$</b>	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
00	CLONE: HUMGS03403					
30	SEQUENCE DESCRIPTION:					
	GATCCAAAGT GACCCCACCA	GGGGACAGCC	AGAGGAAGGG	GACCATGGGG	TATCCNNAGT	60
	GTCCTGGTCT ATCACCCCAG	CTTCTTTGTC	CCCCAGTACC	CCCAGCCCAG	CCAGCCAATA	120
	AGAGGACACA AATGAGGACA	CGTGGCTTTT	ATACAAAGTA	TCTATATGAG	ATTCTTCTAT	180
35	ATTGTACAGA GTGGGGCAAA	ACACGCCCCC	ATCTGCTGCC	TTTTCTATTG	CCCTGCAACG	240
	TCCCATCTAT ACGAGGTGTT	${\tt GGAGAAGGTG}$	AAGAACCCTC	CCATTCACGC	CCGNCTACCA	300
	ACAACAAACG TGCTTTTTTC	CTNTTTGAAA				330
	SEQ ID NO:2863					
40	SEQUENCE LENGTH: 329					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	acru	-			
	CLONE: HUMGS03404					
45	SEQUENCE DESCRIPTION:					
	GATCTTATTT TCTGAGAAAT	TGATAGCAAA	TATGCCAGAA	AGTGGACCTA	GTTATGAATT	60
	CCATCTAACC AGACAAGAAA					
	TGTGAAAGAA TTAGAAAACT	TCAGGAACTT	GTTACAGAAT	ATTCATTAAA	GAAAACAAGC	180
50	TGATATGTGC CTGTTTCTGG	ACAATGGAGG	CGAAAGAGTG	GAATTTCATT	CAAAGGCATA	240
50	ATAGCAATON CAGTOTTAAG	CCAAACATTT	TATATAAAGT	TCCTTTTCTA	AAGGAGAATT	300

	ATATTGTTTT AAGTAAACNC	AAATTTTAAA				329
5	SEQ ID NO:2864 SEQUENCE LENGTH:329 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
10	CLONE:HUMGS03405 SEQUENCE DESCRIPTION: GATCACTTCA GCTGCCTGCT					60
	TNTTGCCTGT GGTGGTCTCC CGCGGCTTGA GCTGAAAATG	CATTTNTTGC	AGCTTAGGTT	GAATTATTTT	NCGTTTGCTC	180
15	TTTCTTCTAC ACGCGCCTGA CTGTCTATTG TACCGACTTA AAAGTTGGTN GTGCCTTGGN	ACCTCTTCCA				
	SEQ ID NO:2865					
20	SEQUENCE LENGTH: 328 SEQUENCE TYPE: nucleic TOPOLOGY: linear	acid				
	CLONE: HUMGS03406 SEQUENCE DESCRIPTION:					•
25	GATCGGCGTG ACCACCCCTT AAGGCACTGA AGGAGAAGGA	GAAGGCCTCC	TGGAGCAGCC	TCTCCATGGA	TGAGAAAGTC	120
	GAGTTGTATC GCATTAAGTT NTGGAAGACG GTTNTNGGGC					
30	CCTNTGGAAA AAGGNCTTNT GGGGTTGCCC AAGNAGGCCC		CCCCTTCCCG	AAAAGTTTTN	ACAAAANGGT	300 328
	SEQ ID NO:2866					
35	SEQUENCE LENGTH: 327 SEQUENCE TYPE: nucleic TOPOLOGY: linear	acid				
	CLONE: HUMGS03407 SEQUENCE DESCRIPTION:					
40	GATCTACAGA GTTAGAAATT					
	ATACAAGAGG TCAAGTAACA GCTCTTCTGG AATATATTTA					
	ATGTNGATGT TGAATCAACT					
<b>4</b> 5	CTTATTTAAA GGGTCCTGAT ACACTTTTGA ANTAACAGCA		TTANGNCATT	CALLAAAAU	AAAUUAUUAA	327
	SEQ ID NO:2867					
	SEQUENCE LENGTH: 327 SEQUENCE TYPE: nucleic	acid				
50	TOPOLOGY: linear					

	CLONE: HUMGS03408
	SEQUENCE DESCRIPTION:
	GATCACCCTC CTCCCAAAAA GCAAGAGCTT GTTTATGGCT GAGGAATCGG CGGATTGTCT 60
5	GAATGACACA TATACAGAGC CCCCACGGAT TTCTNCACAC TCTGGGTCTG TGCTGGTGGA 120
	ACATTGCCAA TNAGTTCTTA ATGAGGCACC TGTGTGTAAA TACATGCTTG GTCTTCTCTG 180
	CAGAGAACTG AGGCTAAACT CTGTCCCTAC TTCTGGTTTT GCCCTGTNAT GTCGTAACGA 240
	GGTGGGCCTT TTGAGGCCAT TTTAGTTTGA GTTCGAGCCA ACCACCTCTG GTTGGTTAGA 300
10	TGATTGAATA AAAAGGTTCT GAAGAAA 327
10	000 to Wa anno
	SEQ ID NO:2868
	SEQUENCE LENGTH: 326
	SEQUENCE TYPE: nucleic acid
15	TOPOLOGY:linear
	CLONE: HUMGS03409
	SEQUENCE DESCRIPTION:
	GATCCAATCA CCTCCCACCA GGCTCCACCT CGAATACTGG GGATTACCAT TCAGCATGAG 60
	ATTTNGGCAG GAACACAGAC CCAAACCATA CCACACACAT TATCATTGTN AAACTTTGTA 120
20	AAGTATTTAA GGTACATGGA ACACACGGGN AGTCTGGTAG CTCAGCCCAT TTNTTTATTG 180
	CATCTGTNAT TCACCATGTA ATTCAGGTAC CACGTATTCC AGGGAGCCTT TNTTGGCCCT 240
	CAGTTTGCAG TATACACACT TGCCANGTAC TCTTGGTAGC ATCCTGTTTG GTATCATNGC 300
	ACTGGGTCAC ATTGCCTTAC CTAAAN 326
25	
	SEQ ID NO:2869
	SEQUENCE LENGTH: 325
	SEQUENCE TYPE:nucleic acid
	TOPOLOGY: linear
30	CLONE: HUMGS03410
	SEQUENCE DESCRIPTION:
	GATCTATGGA ACAGAGGAGG AGCGATGCAG TTGGGAGAGG AAGCTAGAAG GGTTATGGTT 60
	GGAGTTCTGT ACAGTGTTGA GTTTCCGACA GGGAAAGAGG ATTCCTCCAA TGCGCCTAGA 120
35	GAGAAAGCCT GAGCAGGAGA TGATGCAGCA GAGGGGAAGG GCCCTGTGGT GCCGCCCCC 180
	TTCCTTCAGC CTCCGAAGGT GATGGAAATG GAGAGTGGAG GACCAGGCCT CCAGCTGTNT 240
	GGCCTNGCCN TTCACGCCTT AACACTAAGC CCACCTCCCC TTNTCTCCTT CCCAGCATTG 300
	AGCCCTTGGT TGCCTGGGCC CAGGN 325
	••• •• · · · · · · · · · · · · · · · ·
40	SEQ ID NO:2870
	SEQUENCE LENGTH: 325
	SEQUENCE TYPE:nucleic acid
	TOPOLOGY: linear
45	CLONE: HUMGS03411
	SEQUENCE DESCRIPTION:
	GATCTTCAGA AACCTTGCTA GGAGAAGTTA ATGAAAATAG AGTATCAATA GCATTGAAAA 60
	AAACCTCTGA AATCCTTCAC GATATTGACT GTCTTCTATC AAACTCTAAA AAGTGAAAAA 120
	TGGAATTATT ACAACATATT ATTAAAGTTT AAGGATGTTG TTTCAAGTGA CTGGTATAAA 180
50	ATTACTAGTA AGCCAAGATA TTGTACGTAT TACCCCGGCA CAATGATTGT GAAAGANCTG 240

	ACATTTAACT TTGAAGGTAT NTANTAAATN TTTCGAAGTT		TACATTTTA	AAATATGTAT	TTATATCTNA	300 325
5	SEQ ID NO:2871 SEQUENCE LENGTH:325					
	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03412	acid				
10	SEQUENCE DESCRIPTION:					
	GATCCAAGCG GAGATTGACG	CTGCAGCGGA	NACTCATCGA	CTTCTTCCGG	TTCAATGCCA	60
	AGNATGCGGT GGAGCTGGAG					
	CGGTGTACCG GGGTCTGGAG					
15	TCGGCGGCAA CCTGGCGGGG					
	CTCTTTGCCA GATGACAAAA		CAGCCGTGAC	TTACTTGGCA	AGACTGAGTG	300
	ACTAGTAAAT AAATGATGGA	GCAGN				325
•	SEQ ID NO:2872	•				
20	SEQUENCE LENGTH: 323					
	SEQUENCE TYPE:nucleic	acid		•		
	TOPOLOGY:linear					
	CLONE: HUMGS03413					
25	SEQUENCE DESCRIPTION:					
	GATCCTCCTT CTAGCTCATC					
	GTAAGACTTC AGACAACATT					
	GGTGTGAGCC ATGCAATGGG					
30	GTCTGTAAAC AATAACAACT					
50	CAAGTTTAAA ANCATTTTTN		GGTATACTCA	TGTCAATATN	CTTTATTAAT	
	AAAANGNTTT TCAGTGTCAT	AAA				323
	SEQ ID NO:2873					
35	SEQUENCE LENGTH: 322					
	SEQUENCE TYPE: nucleic	acid		•		
	TOPOLOGY:linear					
	CLONE: HUNGS03414					
40	SEQUENCE DESCRIPTION:					
40	GATCTGCCCA TCTCAGCCTC					
	CCATCATTTA TCTTTTCAC					
	ATCTGGTGTG ATATTGTAAT					
	CTGTCATCAG ACATTGAAGA					
45	TTTTTGTTGT GGTTAGTTAG ATAAAATTAG CTATTTGCCA		ATTTTNAGTG	GGTTTTAATA		
	ALAMANIAN CIMILIUCUA	AA.				322
	SEQ ID NO:2874					
	SEQUENCE LENGTH: 319					
50	SEQUENCE TYPE: nucleic	acid	•			

	TOPOLOGY: linear					
	CLONE: HUMGS03415					
	SEQUENCE DESCRIPTION:					
5	GATCACCINI GGCGTGTTCC					
	AAATACCAGA CACACGCAAG					
	AAAAGTGTCA AGGTCATCTA					
	ATGACAAANT GCAACGTTTC					
10	TGTCAGAAAG GAAATTTGTG	GAACAACTGG	CAAAATCTGG	AGTTGGGTCT	GCAGATTACA	
,,,	CACTGGTATC GCAGCGAAA					319
	SEQ ID NO:2875					
	SEQUENCE LENGTH: 320					
15	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUNGS03416					
	SEQUENCE DESCRIPTION:					
* * * * * * * * * * * * * * * * * * * *	GATCTCCCTT CGTGGAGACG	ACACCGGGGT	CCTCCTGCCC	ACCCCAGGGG	AGGCCCAGGA	60
20	TGCTGATTTG AAGGATGTAA	ATNTNATTCC	AGCCACCGCC	TGACCATCCG	CCATTCCGAC	120
	TGCTAAAAGC GAATGTAGTC	AGGCCCCTTT	NATGCTGTGA	GACCTCCTGG	AACACTGGCA	180
	TCTNTGAGCC TCCAGAAGGG	GTTCTGGGCC	TAGTTGTCCT	CCCTCTGGAG	CCCNGTCCTG	240
	TGGTCTGCCT NAGTTTTNCC	CTNCTAATAC	ATATGGCTGT	TTTCCACCTG	GNTAATATAA	300
25	CCANGAGTTT GGGCCGNAAA					320
	SEQ ID NO:2876					
	SEQUENCE LENGTH: 308					
	SEQUENCE TYPE:nucleic	acid	,^			
30	TOPOLOGY: linear	4014				
	CLONE: HUMGS03417					
	SEQUENCE DESCRIPTION:					
	GATCTCTGCT GTGNCTCCCA	GAGTTACTGC	TGCCAGACTG	AACTGGAAGG	GGAGGATGTA	60
05	GGAGCCTGCA CAGCTCACAC					
35	CGGGAATGTN AGGTGCTATT					
	TACCTTGATG ACTATGGGGA					
	TGCAAAGAGC GATTCAAGAA					
	NTTGGNCN	u	010100000		011011011011	308
40						-
	SEQ ID NO:2877					
	SEQUENCE LENGTH: 308					
	SEQUENCE TYPE:nucleic	acid				
45 .	TOPOLOGY: linear					
<del>,</del>	CLONE: HUMGS03418					
	SEQUENCE DESCRIPTION:					
	GATCTTGACC ATGACAGTTT		ATGAAACGGG	GAACCAAGAG	GAACTTACTT	60
	GTGTAACTNA CAATTNCTGC					

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GAGCTAAATC AGAACTGCAC ACTCCNTCCC TGATGATAGA GGAAGTGGAA GTCCCTTTAG 180

	AGAATTTGGA GAAGTGATTG NTTTNNCN				_	
5	SEQ ID NO:2878 SEQUENCE LENGTH:307 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
10	CLONE:HUMGS03419 SEQUENCE DESCRIPTION: GATCTAGAAG ACGATTAAGG TGTTTATACA ACCCTAAGTC					
15	TCAGGAACTG AAACATCAGC ATATTNNNNT TNCTGAATGA AGGAATTGAN GAAAATNTAA CTAACTN	ACAAAGAAGC GAAACATGAG	AATCATCAAA GGNAATTGTG	TAATTCTGAN GAGTTAGCCT	CACAAATTTA CCTGTGGTAA	180 240
20	SEQ ID NO:2879 SEQUENCE LENGTH:307 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
25	CLONE:HUMGS03420 SEQUENCE DESCRIPTION: GATCTTGAGG GCAGACAGCA GAGGGAGAGA NGACCTTGGG	CCAAGATGCT	AAATGGGAAT	GCAAAGCTTG	AGCTGCTCTN	120
30	CAAGAGAAAA TAAGCAGGNC GAGAAGTNTG GGGAAGAGAT AGGAGGCCAG TGGGACCCCA TGGCACN	AGGAACCAGC	AGGATGGCAG	GGGNNNNGGG	CTCAAGGGTN	240
35	SEQ ID NO:2880 SEQUENCE LENGTH:305 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03421	acid				
40	SEQUENCE DESCRIPTION: GATCTGCCGT GTCCTTATAA AACTTGAAAT CTCAGGTATT TGGATATATA TCTATATGTA	CCAGGTCACT	GACATGAATT	TGAAGATATA	TCTATCTGTA	
45	AATTATGTNC TTAAATTTGT GACTGTGGAA CATGCCATTT TGAAA	GTGCCAATAA	TTGCATATAG	ATTTTNTTNC	TTAAATATTT	240
50	SEQ ID NO:2881 SEQUENCE LENGTH:305					

5	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO3422 SEQUENCE DESCRIPTION:			CCTCTTC AAC	<b>TOG 4 COTTO</b>	20
**	GATCCACTGA TGGCTCCAGA GCCTTTGCTG GAGCCGCCTG GGTGTTTCCT TTCTGGGACT TTGAAGGCTG TGAGAGTGGG	CAAGGNGCAT TCCACAAGTT	GTTTGACCAA GAGAACAGAC	TCCCCAGTGG CATGCTGCCC	AGGGGAGGGT TGGGCAGTTC	120 180
10	TATNATNATA ATTGTTTGAA NGAAA	ATNGNCAANT	AAAAATNATG	TATATTTATG	ANGTNCANCA	300 305
15	SEQ ID NO:2882 SEQUENCE LENGTH:303 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
20	CLONE:HUMGS03423 SEQUENCE DESCRIPTION: GATCAGGAAA GTCATACTGT CCCCCATATG TACAGATGAT ATTTTTATTT TGTTTCTGTC	ANTAGGGTGT	GGAATGTCGT	CAGTGGCAAA	CATTTCACAG	120
25	CATGAAAAGN TACTACTGTG AAACATTTTT TTGAAAAAAT AAN	TTGAAAGCTT	TTTAGGAAAT	TTTGNCAGTA	TTTTTGTACA	240
30	SEQ ID NO:2883 SEQUENCE LENGTH:375 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO3424	acid				
35	SEQUENCE DESCRIPTION: GATCACCGGA CACAATCCTG GTCATTCTAG ATGTNCTGTT GAGCACAGCT CCGTGCCAAA GTGGAGATGT GGCTGGACAG	GCCAGTATCA GCTAACTAAT	AAACCGGCTT TTGCTAATCA	CCAGGCTGTC CTGATTTTNC	ACGGGCAAGC AAAGCTTGTT	180
40	GATAAAAAAG CTGCCAAGAT NTGCTCAAGC TGTTGACATA NTATGGGGGT AAGTN	TTTTGGCGNG	TGGTTGGTCT	GAAGTCCTTG	CAAGACGCTG	300
45	SEQ ID NO:2884 SEQUENCE LENGTH:301 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
50	CLONE: HUMGS03426 SEQUENCE DESCRIPTION: GATCAGATAG GAGCACAAGC	AGGGGACGGA	AAGAGAGAGN	CACTCANGCG	GCAGCATTCC	60

	CTNCCAGCCA CTGAGCTGNC GTGCCAGCAC CATTCCTGGT CACGCAAAAC AGAACCCATT 120
	TAGCAGCAGG GAGACGAGAA CACCACACAA GACATTTTTC TACAGTATTT CAGGTGCCTA 180
	CCACACAGGA AACCTTGAAG AAAATCAGTT NCTAGGNNNN GCTGTTACCT CTTGTTTACA 240
5	GTTTATATAT ATATGATAGA TATGNGNTAT ATATATAAAA GGTACTGTTA ACTACTGTAA 300
	A 301
	000 ID NO. 0007
	SEQ ID NO:2885
10	SEQUENCE LENGTH:297 SEQUENCE TYPE:nucleic acid
	TOPOLOGY: linear
	CLONE: HUMGS03427
	SEQUENCE DESCRIPTION:
45	GATCGGGGGA GGGTAAATAA TGCAAAAATT GCACAGTGGA AGAAGGGGTC TCACAAAAAG 60
15	CAATCCATCC TGTAGTATAG GTANNNGNGT TGGGGGGAAGC AGCTTCCATT CTGGATGTTT 120
	GGAACCCTTT AGCTTTGTTT TGGAATGGCC CACCATTCTC ACTGGAAAAC AGTGGTCTGC 180
	TGTGAAAGGC CAGCTCTCGG CAGCCCCTGT GGTTTCAGCG CTGCCGCTCT GTGTCATTCA 240
	GGTTGTGCAC ATTGTTTTC TTCTGACTTC CAGAAATAAA AGTGTTTCCA TGGGAAA 297
20	
	SEQ ID NO:2886
	SEQUENCE LENGTH: 296
	SEQUENCE TYPE: nucleic acid
25	TOPOLOGY: linear
	CLONE: HUMGS03428
	SEQUENCE DESCRIPTION:
	GATCTGGGTG CCTTGGGAGA NCCAGTCCTT CCTTTTNACC CACCCCAGGA AGATGGAGTN 60
	CTCTTTNCTA GGCCCATGTC CTGCCAGCAA CCGGGATGCG TGGGCAACTG GACTCTGCAC 120
30	GGGGGTCTAC AGGTTGAGGG AGGTTGGTCA CAATNAGAAC CTCGGGGTTT GAGGTGGCCA 180
	TGGGCAGACA GCCNNAAGGG AGGGAGGGTG TGGGTGTNCG TGTGTGCATG TCCTGGTNTG 240
	TAAGGGGGAA AGGGTCTTTC CTGGTTTTAT TTAAATAAAG TAGTTTATGT AACAAA 296
35	SEQ ID NO:2887
33	SEQUENCE LENGTH: 296
	SEQUENCE TYPE:nucleic acid
	TOPOLOGY: linear
	CLONE: HUMGS03429
40	SEQUENCE DESCRIPTION:
	GATCTGTGCN GTGGTCCTNA GGCAGTTGTN TCCACACAAG TACTACTTCC TCGTGGGCTA 60
	CAGTNAAACT TTGCTGTCCT ACTTTAACAA ATGTCCTGTG CGACTCCACC TCCAAACTGT 120
	GCCCTCAAAG GTTGTGTATA AGTACCTCTA GAACAATCCC CTTTTTNCCA TCAAGCTGTA 180
45	GCCTGCAGAG AATGGAAACG TGGGAAAGGA ATGGTATGTG GGGGAAATGC ATCCCCTCAG 240
	AGGNCTGAGG CATAGTCTCT CATCTGCTAT TGANTAAAGA CCTTCTATCT TGTAAA 296
	SEQ ID NO:2888
	SEQUENCE LENGTH: 356
50	SEQUENCE TYPE: nucleic acid

	TOPOLOGY: linear
	CLONE: HUMGS03430
	SEQUENCE DESCRIPTION:
5	GATCTACTCT GTATGGGTAC CAAAATCACC TTCTCTCTTC AAGTCAAAGT TGAATTTAGA 60
	ACTTTGAATA CAGGTCAAAA AATGTAGAAA ATATCATTTT ATATTCCCTA ATCTATATAG 120
	CTGAAAAAGG GTTGTATTTT CTTAGCTGAA TATGAATACC TCTTAAACAT AAATTAGTTC 180
	CTCTCCAGTG AAGTATCTTA TTTTACCAAT CCATTTCAGG AAAGAGGTTC TGCTGCCGTA 240
	AAGGCAGAAA TTTTATTTT ATCCCTTTTA TTTGAATGAG AGATTTGAAA ATCGAATTAT 300
10	GTAAATATTT CAATGCATCT GCTATTATTT TGTGGAGTTT ATTAAACTAC TTTAAA 356
	SEQ ID NO:2889
	SEQUENCE LENGTH: 293
15	SEQUENCE TYPE: nucleic acid
	TOPOLOGY:linear
	CLONE: HUMGS03431
	SEQUENCE DESCRIPTION:
<u>.</u>	GATCCCAAAC CAAATCTTAG AATCANTTCA TTTAAAATAC TGAGCGGTAT TGANTACTTC 60
20	GAAGCAGAAC AGGCAATGTG CAGCCCTCAT TTATGAGAAA ACCCTCAGGA AACTCCCAGG 120
	GTGATGCTTG GNGAAGCTGT GAGTTGAGCT GAAGCTGGAG AACTTCCTCC AGAGCAAAGG 180
	GCTTAAGAAA GAAAGANGAA CTCTAAGCTG GGTCTGCTAA CATCACTCCA GTTTAGATGG 240
	NTCCTGTTTT TCCTTAACAN GTTGAGGCGT GGGTAGAGCA GGANTTGGTT TTN 293
25	
	SEQ ID NO:2890
	SEQUENCE LENGTH: 289
	SEQUENCE TYPE: nucleic acid
	TOPOLOGY: linear
30	CLONE: HUMGS03432
	SEQUENCE DESCRIPTION:
	GATCTGAAAT AACATTAATT TGATTGTAAC CCTATTGGGG TTAGTTCCCA CCCTTTGTTC 60
	CATCTTGAGC AGAGATGNGC TGCATTTCTT AACGTTTGGT CTCTATACAT TATACCATCT 120
35	GCTGAAGTTT AGCTTTGTGT GTGTGTATAT GTACCCATGT GTGCACTTTA AATATCAGTA 180
	CAAACTGATA AACAATGTTT CTGGTTAATG TTGCAAAAAT GGAACACTGT ATTTNACATA 240
	ATTGATTTTC TACTCCTGCC CTGTGAATTA AGGCAGAGTT TTACTGTAN 289
	SEQ ID NO:2891
40	SEQUENCE LENGTH: 286
	SEQUENCE TYPE:nucleic acid
	TOPOLOGY: linear
	CLONE: HUNGSO3433
45	SEQUENCE DESCRIPTION:
	GATCTTCCCA CACCAGCCTC CCAAAATACT GGGATTACAG GCTTGAGCCT CCATGCCTGG 60
	CCCAGGTAAC ATGTTTATTG AGCTGTACAT GCATATGAGA AATAAGAAAC TTTTTTTTCC 120
	TACTATCATC TCTTAAATHT NGTNTTCTTT TTCTTTTGCT TCCTCTTCTT CTNTNCTATT 180
	TNTNATAAAT ATCATGCACA ACTATAACCT ATGGGAATNA TGTAGTAACA CAGATTATTC 240

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286

ATCTTGTTAG AGTTGTATTA AAAATAAACA AGCATTTCAA ATTAAA

	SEQ ID NO:2892					
	SEQUENCE LENGTH: 286					
	SEQUENCE TYPE:nucleic	acid				
5	TOPOLOGY: linear					
	CLONE: HUMGS03434					
	SEQUENCE DESCRIPTION:	00000000000	44manaaa.a	80.08000		
	GATCCAAGAC CAGGGTGGTT				-	60
10	CCTGTNTCCA GGACGANCTC					
	TCTTTGTGGC GGNAGTGCTC CCCAGCTGCC TTGGACTGTG					
	GGGGATTGGG GGACATGGGC				TUUUAGGGGT	
	OGGATIGG GOACATGGGC	AIIIIICIIA	CITITUTANI	IAIIUN		286
15	SEQ ID NO:2893					
	SEQUENCE LENGTH: 285					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03435					
20 .	SEQUENCE DESCRIPTION:					
	GATCTGCNGG GGCNTGTNCA					60
	GGGCACATTT AGACATAGCA					
	AAGGCATGAC TGGGAGGCCC					
25	ACAATGCTTA GTTCAGATAC				GACAGTTGAA	
	CTTAAAAGGT TTTTGAATAA	ATGGATGAAA	ATCTTTTAAC	GGAAA		285
•	SEQ ID NO:2894					
	SEQUENCE LENGTH: 284					
30	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03436					
	SEQUENCE DESCRIPTION:					
35	GATCAGCTCT TTCTATTTTT					60
	TTTGAAATTT CAAACTTCTG					
	TGTAAGGTAT GAATGTNATT					
	ATCTTTTGGA AAAAAGCCGA				TGAATATTTA	
40	CTTACAGTTT CTATCAAAAA	TATATATTTG	TITUTAAAAT	TAAA		284
	SEQ ID NO:2895					
	SEQUENCE LENGTH: 283					
	SEQUENCE TYPE:nucleic	acid				
45	TOPOLOGY: linear					
	CLONE: HUMGS03437					
	SEQUENCE DESCRIPTION:					
	GATCTCCTTG TTAGTGGTGG	TAGGGAGCTA	GACAAGGATG	GCAACTATTT	CTGTATCTTA	60
	CATACCTTTN ATTTNGAGGC	CCTGTCAATG	TTTTATATAA	TANNCATTTT	TTGAAAAGGC	120

	AACTCTTAAA ACTAAAACAA ACTTAACAGT CTGTCAAGTT GGTGATATAA CCCCACAGAA 180
	GACTTACTIC AAGTGACTIG AAAACTTAGT ATTITGTCTG INCITTGCTA ATGGGNATAN 240
	ATCCTACAGA CCAAACANCC NCAGNTAANT CTTAANCTGC AAA 283
5	
	SEQ ID NO:2896
	SEQUENCE LENGTH: 279
	SEQUENCE TYPE: nucleic acid
	TOPOLOGY: linear
10	CLONE: HUNGS03438
	SEQUENCE DESCRIPTION:
	GATCCCGGGA GACCTGGGGC TGCCGAAGAA GCTCTGCTCC AAATGGAGAG TGTAGCCTGA 60
	GGGCTGGTGT TGCCTGCCTC CCCTGTNCTT GTNCCTTGTC CCAAAATAAA TCCTTTCAGA 120
15	ATGTAGCACT CACGNCCTAA TAAGGAGCGA ATCCTACATC CACCAAGGCG GGCGCTCTGG 180
	CCCTCCCTTC CTTAAGCCCA GTCCTGTGTC CTCTGAAAGA GGTTGCAGTC ACTCACACCN 240
	GCTTGCGCTC ACCATCAATA AAAGTAATTT CACCNGAAA 279
	·
	SEQ ID NO:2897
20	SEQUENCE LENGTH: 278
	SEQUENCE TYPE:nucleic acid
	TOPOLOGY:linear
	CLONE: HUNGS03439
25	SEQUENCE DESCRIPTION:
	GATCCCCTCC CCCAAGATAC TCTTTGTGGG GAAGAGGGGC TGGGGCATGG CAGNCTGGGT 60
	GACCGACTAC CCCAGTCCCA GGGAAGGTGG GGCCCTNCCC CTAGGATGCT GCAGCAGAGT 120
	GAGCAAGGGG GCCCGAATCG ACCATAAAGG GTGTAGGGGC CACNNNNCTC CCCCTGTNCT 180
	GTTGGGGAGG GGTAGCCATG ATTTGTCCCA GCCTGGGGCT CCCTCTCTGG TTTCCTATTT 240
30	GCAGTTACTT GAATAAAAAA AATATCCTTT TCTGGAAA 278
	SEQ ID NO:2898
	SEQUENCE LENGTH: 276
35	SEQUENCE TYPE:nucleic acid
	TOPOLOGY: linear
	CLONE: HUNGS03440
	SEQUENCE DESCRIPTION:
40	GATCTGCTTA CCAAGCATAT TAGGAAATAC CTCTTAGGAA GCATTAGCGG TCTCAGGCCA 60
40	ATTACTGTGG AGCAGCTTTC ATTCCTACCC ACTTGCAAAC CTTGGCGCTG TTGTCTGAGA 120
	TTGCTGCAGC CATTCTTGTT ACCATGGTAC TTCTCAAACT TTGTGAAAAC CTGCACTTTT 180
	CCTTGCATGA CAGGTTCCTG TCTTGTCTGT CATGGGAGCC ATTCTGCCAA TTTAAATGCG 240
	ACTGTGGTAT AAACAGTAAA ATGATTTAAA AGTAAA 276
45	470 TO NO 0000
	SEQ ID NO:2899
	SEQUENCE LENGTH: 274
	SEQUENCE TYPE:nucleic acid
50	TOPOLOGY: linear
	CLONE: HIMGS03441

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	SEQUENCE DESCRIPTI	ON:				
	GATCAGTGTT ATATTTT	ACT GGAGAAGCI	A TTGAAGATG	A TGATGATGAT	F TATAATGAAC	: 61
	AAGGTGAAGA AGCGGAT	GAG GTAATGTTI	A CCAAATAAG	C AAATAATTC1	NTGTGGTTA/	120
5	CACATTGAGA AGCAAAT	IGA ATNACTTAT	G TATTCCTTT	G CTATAATCAT	TCTGTGATTT	181
	GGGATAAAAA CATTTTG	GAA AACATGATT	T TAGAATTCT	A CAGCCAAACA	ATGTATGTAT	240
	AAGGTTTCAA TAAATAAI	TT GCAAAACTC	A GAAA	-	· ····································	274
	SEQ ID NO:2900	•				
10	SEQUENCE LENGTH: 273	3				
	SEQUENCE TYPE: nucle	ic acid				
	TOPOLOGY:linear					
	CLONE: HUNGS 03442					
15	SEQUENCE DESCRIPTION	N:				
	GATCCCCACC TGCCATCC	TA TAGTGTTGT	C TTCCTGTGTG	TTCCGGGGCT	TCTGGGCAGC	60
	TGGGCCTGCC CGGGGAAG	TC CTTGCAGGT	G GGAGGCCATA	CAGAGACCCA	CTGTGTGCCA	120
	CTGAGCGTCC CACTGCTG	CT GGGCAACTG	G AGGACTGCAG	GGGGCGCCAG	GTGACTCTCT	180
20	CCTTTTATAT CACAGCAG	CT CCTGTGCTG	A CCTTCAAGTT	ACGTTTTGGA	ACTGTAATAC	240
20	TAAAGGAAGA AATAAACT	AC TAATTTGTAT	AAA 1			273
	SEQ ID NO:2901					
	SEQUENCE LENGTH: 359					
25	SEQUENCE TYPE:nucle	ic acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03443					
	SEQUENCE DESCRIPTION	N:				
30	GATCTGGTTA AGTTGTGT.	AG TAAAGCATTA	GGAGGGTCAT	TCTTGTCACA	AAAGTGCCAC	60
	TAAAACAGCC TNCGGAGA	AT NNNTGACTTG	CTTTTCTAAA	TCTNAGGTTT	ATCTGGGCTC	120
	TATCATATAG ACAGGCTT	CT NATAGTTTGC	AACTGTAAGC	AGAAACCTAC	ATATAGTTAA	180
	AATCCTGGTC TTTCTTGG	TA AACAGNTTTI	AAATGTCTGA	TATAAAACAT	GCCACAGGCG	240
	AATTCGGGGA TTTNAGTT	TC TCTGAATAGC	ATATATNTGA	TGCATCGGAT	AGGTCATTAT	300
35	GATTTTNNNC CATTTCGG	CT TCATAATGNA	AACCAGTTCA	TTTTACCTAT	CAGGTTATN	359
	SEQ ID NO:2902					
	SEQUENCE LENGTH: 268					
<b>‡</b> 0	SEQUENCE TYPE:nuclei	c acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03444					
	SEQUENCE DESCRIPTION					
	GATCAGAGCA CAGTTGAAA	T TCATGGAACT	GGCATTATTT	AAGCAACCAG	AATTCCACAC	60
. · · · · · · · · · · · · · · · · · · ·	TGTAGGAAGG TTTTGAAAA	T TGTTTCGTTA	TAGATTTTAT	CTTATCTTTT	GGTGTTGTCT	120
	TGGTTTTTCT CATAGACTT	T ATAAGTTTGA	ACTGGACTTA	TTTGATTATA	ACCACAAATT	180
	GTGTGTGTGT GTGTGTGTG	T ATATATAGAA	GTCATTATGG	CAGATGCACA	AATTGTGCAG	240
	TGATGTAAAT ATACATACT	T CACAGAAA				268

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SEQ ID NO:2903

	SEQUENCE LENGTH: 264 SEQUENCE TYPE: nucleic TOPOLOGY: linear	acid				
5	CLONE: HUNGS03445					
	SEQUENCE DESCRIPTION:					
	GATCGGTAGT GTTGTGTGTA					60
	TGTGTTGCAG AATGGAGTTC					-
10	CCTGCGGTAG CTAGCACTGA					
	GAAAGGGGAA ATCAANTTAA		AGACATANGG	AAATTTAAGG	AAAAACAGNT	240
	TTAGGANCAG TTACTCAGCG	TAGN				264
	SEQ ID NO:2904					
15	SEQUENCE LENGTH: 258					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS03446	,				
20	SEQUENCE DESCRIPTION:					
	GATCCATAGT GAAATTGCCA	GAGTTTTGCC	TGCTGCTTTC	CTCGTGGCCT	CTTCTTGGGT	60
	AGTGAAATNA AGTGACATTT					
	CTAGAAATGT CTGTTGAGAT					
	CTAAATGCGT TGTAAAATAT	TGCCAAAATG	AAAAGTGTTT	TGTAATACTG	CAATAAAGGC	
25	TGCTTGTTTT TGTGGAAA		•			258
	SEQ ID NO:2905					
	SEQUENCE LENGTH: 264					
30	SEQUENCE TYPE:nucleic	acid	•			
	TOPOLOGY: linear					
	CLONE: HUMGS03447					
	SEQUENCE DESCRIPTION:					
	GATCGGACAT GAAAGNACCC					
35	GCTCACTCAT CAATGGGGCC					
	CCCCCTGCTG CCATGTGGAC					
	GCAGTGTTGG GGGATGCCTT AATNAAACTG TGTAGGTTGG		GCTCTGAGAA	TTGGTTGAGA	TACTTTTACT	
	AATMAAACIG IGIAGGIIGG	GAAA				264
40	SEQ ID NO:2906					
	SEQUENCE LENGTH: 257					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
45	CLONE: HUMGS03448					
	SEQUENCE DESCRIPTION:					
	GATCTGCTTT CAACACTTTT	AGCTCTTCTA	GAATTTCAGA	${\tt AAAATGGTAT}$	CGGATGTACA	60
	GCATGGACCC TTCTNTGGTG	<del>-</del>				
50	TTNAGTGTCT CTGCAGTCCA					
	GGCTGAGTAG TATTTCATTG	TATAATTATA	CCACTATTTG	TNCATTTACT	AGATAATANN	240

	CAGTTGGCTT GTTTAAA			2	257
5	SEQ ID NO:2907 SEQUENCE LENGTH:256 SEQUENCE TYPE:nucleic ac TOPOLOGY:linear CLONE:HUMGSO3449	eid.			
10	SEQUENCE DESCRIPTION: GATCCATCCG CCTTGGCCTC CCCCCATATAATC AAATTTTTAT TGAAAATCGAGCA ATTTTCTATT GTATAAAGGGATA GTTAGGAGTA AGTTAGTGATTCT GTATTN	ATTTTAGA GCAAAG ATAGAGTG AAAGTC	GACT TTTTCAATGT AAAC TTGTTTATTG	AACTGCTTAG 1 TACAAGTCTT 1 TTGTAGCCAT 2	80
. 20	SEQ ID NO:2908 SEQUENCE LENGTH:256 SEQUENCE TYPE:nucleic aci TOPOLOGY:linear CLONE:HUMGS03450	id			
25	SEQUENCE DESCRIPTION: GATCTAATTA AAAAAAAGGC AAT TCANAACTCC CTGATGAATT TCT TTGTCAGTGT ATCCAGTTAC AGA GGTTATTTCA TCTTAATCTC AAC ATATTTTAAA ATCAAA	TAAGTGAG CAACTT	GATA TAAAATTGTA ACCT TTTTATTGGC	ATCTTCATTT 1 TGAGAAATCT 1 TCATAATAGC 2	80
30	SEQ ID NO:2909 SEQUENCE LENGTH:255 SEQUENCE TYPE:nucleic aci	id			
35	CLONE:HUMGS03451 SEQUENCE DESCRIPTION: GATCAAACCA GCTCTTNTNA CCC TCCTTCCCAG CTGAGATGTG GGT	TACAGGTC AGATTT	NTCA GGGAGATGGC	ACTAACACGA 1	
40	CACAAGCTCA CTCCCAGAAC CGC TAGGAGGGGA AAAAAAGGCT GTA TCTTGCAAAN TTAAA			ATTTTTTNCC 2	
45	SEQ ID NO:2910 SEQUENCE LENGTH:254 SEQUENCE TYPE:nucleic aci TOPOLOGY:linear CLONE:HUMGSO3452 SEQUENCE DESCRIPTION:	id			
50	GATCTGCCCT GTACAGCCAT GTA	AGGCTGTG CGCTGC	ATAA CTCCAGGGAC	ATGAGTCACA	60

	CAGACACAAT GTGAGTGTGC	TCCCCCGTCA	TGCAACATCT	GGACACAACT	AACAGAGCAT	120
	GGTGAATACA TGCTGAATTG	CATTCAGTAT	GGCTGTGAAC	TAGGCCTGGG	GACAAGANTG	180
5	ANTTTTACAT GGAAAGAATT	TCCTGTAGCA	GGAACAGAGG	GGATAACAAC	AGCAGTAAAT	240
J	AATAATAAGN CAAA					254
	SEQ ID NO:2911		4			
	SEQUENCE LENGTH: 253					
10	SEQUENCE TYPE:nucleic	acid -				
	TOPOLOGY: linear					
	CLONE: HUMGS03453					
	SEQUENCE DESCRIPTION:					
15	GATCCCCCAC TAGTNCCCTC	CCTCTNCCCC	TGTAATCCTG	GTCTAATAAC	CCCCCACACA	60
	TACACCTCTG GTGACCTATT	TGCACAGACC	GTNGTCTTCC	CTCCAGTNTT	CTNAGGGATA	120
	GGGGACATTC CATCCCAAGC	TTCTNCCTTA	CCCACACCTA	TCCTTTTNAG	GGGCTTTGGG	180
	GTGGGGCTGG GGCAAGCAGA	GGGACTGGGT	CTTCACTTCT	NGGGCTAATA	AAATTGTTTC	240
	TTTGTGGACT AAA		•			253
20	·					
	SEQ ID NO:2912					
	SEQUENCE LENGTH: 253					
	SEQUENCE TYPE:nucleic	acid				
25	TOPOLOGY: linear					
	CLONE: HUMGS03454					
	SEQUENCE DESCRIPTION:					
	GATCAAACCG GTTCTNTCCT	TTCTTGTGTT	GCCATGTTAC	TATGCCTCAA	GCCCAGTTTN	60
	CTTTTNCCGC AGCGATGGGG	CCAGTCTCAT	TCCTCCCCAG	GAGTGAAACT	NGCTTCANCT	120
30	GAAAAGGTTG GGTGCATTGT					
	AAATTTTCTT CAAAGCAACA	AGTCCTAGGN	GCACACAAAG	CAACCCAAAG	GCTTTTCCCT	240
	GGAAAAGCTC TTN					253
35	SEQ ID NO:2913					
	SEQUENCE LENGTH: 254					
	SEQUENCE TYPE: nucleic	acid			•	
	TOPOLOGY: linear					
	CLONE: HUMGS03455					
40	SEQUENCE DESCRIPTION:					
	GATCCGGGGC ATGCAGAAGC					
	GAACGGTGGC TCCCACAGGA					
	GGGACCCTGG CGGCCAGGCC					
45	GTCTCTTCCC CTGCCCCNTC	AGTTTTNCAC	TTTTGGGGTT	TTTTATTGNT	ATTAAACTGA	
	TGGGNCTTTN TAAA					254
	SEQ ID NO:2914					
	SEQUENCE LENGTH: 249					
50	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	-				

	CLONE: HUMGS03456 SEQUENCE DESCRIPTION:	•				
	GATCCTTGTT TTGTTGTCAT	GGAAACTTCG	GGGCTGGTGG	GACTTAGGCC	AAAAGCTCAG	60
5	AGGCACAGCC AAAATTTAGA	AGCTTGCTAC	TCCTACGACT	CGGCCTATAA	GGAAGAGAGA	120
	AGCTGTCTGT ACTTTGGGGA	CTACATTGCT	GAAGGAAAAA	AATCACTCCC	TGGCTAATTA	180
	AGATTGCTTC CAAATTGGGG	GAATGTGTGT	CATTTCCTTT	ACCAAGGCCA	GTCATCCCTG	240
	CTTCCACCN					249
10	SEQ ID NO:2915					
	SEQUENCE LENGTH: 249					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	acru				
15	CLONE: HUMGS03457					
	SEQUENCE DESCRIPTION:					
	GATCCAGGCC GGGCCTATAC	AGAGGTGCTG	GCTGCTTGTT	TACATTCTCC	TCTGGGGCTC	60
	TACCTCTCCA CACTTCCCCA					120
	CTCCTTGGTG GGCAGCATCC					
20	GCATCTGGAA CGCCAGGTGG	GTTTTTNTGG	CATAGGAGCC	CACTTGCATT	TTCATAGTTT	240
	TATTTGATN					249
	SEO ID NO.2016					
25	SEQ ID NO:2916 SEQUENCE LENGTH:249					
23	SEQUENCE TYPE:nucleic	anid				
	TOPOLOGY: linear	aciu				
	CLONE: HUMGS03458					
	SEQUENCE DESCRIPTION:					
30	GATCACAGCC TCCAGGGCCC	CCCAAATCCC	AGGGAAGGAC	TTGGAGAGAA	TCATGCTGTT	60
	GCATTTAGAA CTTNCTNCTT					120
	TCCNCTATAC ATAGAGCTCT					
	GCAGTAGATG TNCTTCTGAN	CCGCAAGGNG	CAAACACTGA	AATAAAATAG	TTTATTTTNC	240
35	ACACTCAAA					249
	SEQ ID NO:2917					
	SEQUENCE LENGTH: 249					
	SEQUENCE TYPE:nucleic	acid				
40	TOPOLOGY: linear	acru				
	CLONE: HUMGS03459					
	SEQUENCE DESCRIPTION:					
	GATCTCCTTT TGTGAAAACC	AGTTTGATGT	GCTAAAAGTA	AAAAGTCTAN	TTTCCAGTGT	60
45	GGTCTTGTTC AGAAGCAGCC	AGATTTCCAA	TGTTGTTTTT	CCCCTCCACT	CAGAAACCCC	120
	TGCCCTTTCC CTTCAGAAAA					
	CTCCAACCCA AACTAGCTGG	GAGTTCAGAA	CCCATGGTTG	GAATAAAGAA	ATTGTGCGTC	240
	TTGGTCAAA					249
50	SEQ ID NO:2918					

	SEQUENCE LENGTH: 2	245				
	SEQUENCE TYPE: nuc	cleic acid				
	TOPOLOGY: linear					
-	CLONE: HUNGS03460					
5	SEQUENCE DESCRIPT	าเกม				
	GATCTATCCC TGCGGN		· ተዋርረረተል አርተ	A A CTCCC A CC	0010101001	
	GCCTAGCGGA NCCAGC					
10	AGCTCCTGCC ACATGG					
	AGCTNCTTAA TCCTNA	GCCI NCCCCIGIG	ATTUACCACC	AATAAATCAG	ACCATGAAAA	
	CCAAA					245
	CEO ID NO. 2010					
	SEQ ID NO:2919					
15	SEQUENCE LENGTH: 3	-				
•	SEQUENCE TYPE: nuc	leic acid				
	TOPOLOGY:linear					
	CLONE: HUMGS03461					
20	SEQUENCE DESCRIPT			•		
20	GATCAGGAAA CCAGAA					60
	GGGACTTTTG AGTTAA					
	GAGAATAAAC GCCTTC					
	CTGCTGAGTG AGGAAT					
25	GGAAGAAAGG GTAATT					
	GCGTTGTGTG CCAGGC	CGTN GGTTCAGGT	TTNGCAGAAG	CTTTCAGATT	CGTCCGAAGG	360
	GAAATAAAGT GTGTTG	GCGT TAAA				384
	000 ID NO 0000					
30	SEQ ID NO: 2920					
	SEQUENCE LENGTH: 2	-				
	SEQUENCE TYPE:nuc	leic acid				
	TOPOLOGY:linear					
	CLONE: HUMGS03462					
35	SEQUENCE DESCRIPT					
	GATCCCAGCA GCCCTC					60
	NTTCTCAATC TAAATN					
	TGTTTTGTAA TNAGAT					
40	CAGCCAGGCC AGATGA	CCTG ATTCCAGCAA	AAATAAAACT	CAGATTTGGG	CAAAATGAAA	240
40						
	SEQ ID NO:2921					
	SEQUENCE LENGTH: 2	**				
	SEQUENCE TYPE: nuc	leic acid				
45	TOPOLOGY: linear					
	CLONE: HUMGS03463					
	SEQUENCE DESCRIPT	ION:				
	GATCCCTAGC AGCTCA	TCCT GCCCTTTGAA	TACCCTCACT	TTCCAGGCCT	GGCTCAGAAT	60
	CTAACCTATT TATTGA					
50	ATTTNTTTTT GGGCTG	GAAT GCTGCCCTGA	GGGTGGGGCT	GGCTCTTACT	CAGGAAACTG	180

	CTGTGCCCAA CCCATGGA	CA GGCCCAGCT	G GGGCCCACA1	GCTGACACAG	ACTCACTN	238
	SEQ ID NO:2922					
5	SEQUENCE LENGTH: 238					
	SEQUENCE TYPE: nucle	c acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03464					
	SEQUENCE DESCRIPTION	l:				
10	GATCACCGGT TTCCGACTO	A GTCTGGGGAT	TTTGGCCTTG	TTGACCCTCC	TAGGTGCCCT	60
	GGGAATTGCA AACAGCTT1					
	GCGGCAATTC TAACTTTTT					
	GGTAATATGG TATCATTTO					238
15						
	SEQ ID NO:2923					
	SEQUENCE LENGTH: 238					
	SEQUENCE TYPE: nuclei	c acid .				
20	TOPOLOGY: linear					
20	CLONE: HUNGS03465					
	SEQUENCE DESCRIPTION	-				,
	GATCTACTGT GTGGTGTCT					60
	GGGCAGATGC TTGGTAAAT					
25	TGCCTCTNAA ACGCTTACG					180
	TATTGAACAT TTCGGGGAA	G TAATTATAAA	ATAATCTTGT	CTACTGTCTT	ACCCCAAA	238
	SEQ ID NO:2924					
	SEQUENCE LENGTH: 347					
30	SEQUENCE TYPE:nuclei	c acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03466					
	SEQUENCE DESCRIPTION	:				
35	GATCTATGGT GCAGACTGC	CTTCGTCGGGT	GCAGACTGAG	CGACCGNAGC	CCCAGACACT	60
	ACAGCTGGAT TNCTTGATG					120
	AGGAAGCTCA ACTCCAGTA	A AGAACTAAGA	ACAGTGTATA	ACATGAAGAT	AACATTTTGT	180
	CTTTGACCAC TGTCTTTTG	A ATGGGCCCAC	AGTGTTTATG	TACTCTTAAC	AACTCACAGA	240
40	ATAATACATG TTCACTTTA				GGAGTTTCAT	300
40	TGTAACTGTC CTTTNTAAT	TATATAAATG	TATTATTNTC	CTATAAA		347
	SEQ ID NO:2925					
	SEQUENCE LENGTH: 236					
	SEQUENCE TYPE: nuclei					
45	TOPOLOGY: linear	dulu				
	CLONE: HUMGS03467					
	SEQUENCE DESCRIPTION	•				
	GATCCTGTGA TATGGTTTT		ATCTAGGAGA	AGATGCAATT	AAAAACTTCA	60
50	GAGCAAAACA TCACTGTAA					

	TTAATCAGTA TAGT. AGAGGTACAA NTGT					180 236
5	SEQ ID NO:2926 SEQUENCE LENGTH					
10	SEQUENCE TYPE:nt TOPOLOGY:linear CLONE:HUMGSO3468 SEQUENCE DESCRIF	3				
	GATCCCGCAT GCCTC	GAATTC ACTAAAGC				
	GACTTCCATT CCTT1 CAGTGTGGAT TTCCA	CTCTT TTCAGTCC	TT CATGTTAAAG	ATTTAGACAC	CACATACAAC	180
15	TGGTAAAGGA CGTTI ATAAAATGCA CATTO			ACATTGTATA	ATGATATGGA	240 271
	SEQ ID NO:2927					
20	SEQUENCE LENGTH: SEQUENCE TYPE: nu					
	TOPOLOGY:linear CLONE:HUMGS03469					
	SEQUENCE DESCRIP	TION:				
25	GATCTAAAAT GTTTA GAGGAGGGGT ATGAA					60
	TGTCTACTGG ACAAT					
	CTCACTTCTA AATTA					235
30	SEQ ID NO:2928					
	SEQUENCE LENGTH: SEQUENCE TYPE: nu				•	
	TOPOLOGY: linear	creic acid				
35	CLONE: HUMGS03470					
	SEQUENCE DESCRIP					
	GATCCATCTN CCCTC					
	NGGGGCCATT ACCAA TGACCCAAGA NCTAC					
40	TTNGACTTCA CCCTG					234
	SEQ ID NO:2929					,
	SEQUENCE LENGTH:					
<b>4</b> 5	TOPOLOGY: linear	cieic acid				
	CLONE: HUMGS03471					
	SEQUENCE DESCRIP	TION:				
50	GATCTCAAAT CCTGG					60
JU	CCACAGCACC TGGGC	CAGAC CAACAGCTC	G AGGGAGAACC	TGAAGGCCCA	GGGGGTCCAG	120

	GGCGGACCTG GGGCCCCGAC CCAAACTNAG CATGACTCCT					180 233
5	SEQ ID NO:2930 SEQUENCE LENGTH:231 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03472	acid				
10	SEQUENCE DESCRIPTION: GATCAGCAGA AAGCACAAAC GCANCCGTTG GTGCCCTGCA GAAGGTTATG TGAAGATACT	TAGTGGGGAT TACCCCTGAA	GGCTCGCAAC GGAGAAATTT	GTCTCTTCAT TCAAGGAGCC	TCTGGAAAAA TTATTTGGAC	120 180
15	ATTCACAAAC TTGTTCAAAG	TGGAATAAAG	GTTGGCTTTT	TAAATTTTAA	A	231
20	SEQ ID NO:2931 SEQUENCE LENGTH:231 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03473 SEQUENCE DESCRIPTION:	acid				
	GATCAGCAAA AATAAAGGGG	CTACAGAAAC	ACTCATTTTT	ATGCTGTTCC	CTCTTGGGCT	60
	TCATGCAAAG ACAATTCTNT					
	AGTCCATCCT TGTTATAAAA					180
	GTAAAATAAC TCATTTAATA	AAATAGTACT	TTGATTTACG	ACATCAATAA	A	231
30	SEQ ID NO:2932 SEQUENCE LENGTH:230 SEQUENCE TYPE:nucleic	acid		·		
	TOPOLOGY: linear					
35	CLONE: HUMGS03474 SEQUENCE DESCRIPTION: GATCCCACCC CCAGCCATTT	GCATTGCTGG	CCCAGCGCCT	CCCCTCCCCC	GCGGGGAGAG	60
	GCAGCAGAAG GGGCTGGGCA					
	TATGGCGGCT GAGCCAGGGN					
40	AAGCTGTNTC CGACCCCACC	ATNTAATAAA	ACCCAAAGGA	ACAGCCCAAA		230
	SEQ ID NO:2933 SEQUENCE LENGTH:328					
45	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03476 SEQUENCE DESCRIPTION:					
	GATCAGCCGG AAACCCCTGG					
50	CTTCCAGCAC CTTCTCTCTC CAATGCTGCG TGTGAGGCCT					

	CTTACCTTTT AGATTCTTTT ATTTGTTTCT TTAACATTAC ATAGNGGGCT CTGGNTTNTT	CAAAAGCAGG				
5	SEQ ID NO:2934 SEQUENCE LENGTH:220					
10	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO3477	acid				
	SEQUENCE DESCRIPTION: GATCTTGCCC GGTGTCCTGG GCAGGTCCTG GGGGCCTCAA	CTGCTGCCCC	TGGTTGAATG	TTCTCTTGAT	AGTGCTGGAC	120
15	CCTTTGTCTA TTTNAAAGCG ATACCAACGT AAGGAAATAA			CCTTTGCGTT	ATATTGTATA	180 220
20	SEQ ID NO:2935 SEQUENCE LENGTH:219 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03478	acid				
25	SEQUENCE DESCRIPTION: GATCCGAGGG CGATGGGACA GAAACGGGGA CACCACCTCC ACCCAGCAAG GCTGTTGTNT AGGGTGGCCT GTCCAGTCCT	CAGGACGACT GTATGGAAGG	GTTTCAGCAA ACACGCTCGC	AGAGCGCANT	GCTCCAGGTG	120
30	SEQ ID NO:2936 SEQUENCE LENGTH:218 SEQUENCE TYPE:nucleic					
35	TOPOLOGY:linear CLONE:HUMGSO3479 SEQUENCE DESCRIPTION: GATCACCTGA GGTCAGGAGT	TCGAGACCAG	TCTGGCCAAC	ATGGTGAGAC	CCCATCTCTA	60
40	CTAAAACTAC AAAATTAACC AGAAGAATCG CTTAAACTCG TTCCAGCCTG GACAAGAGGA	AGGTGTGGTG GGAGGCGGAG	ATGCATGCCT GTTGCAGTGA	TTNACTCGGG	AGGCTGAAGC	120
45	SEQ ID NO:2937 SEQUENCE LENGTH:218 SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear CLONE:HUMGS03480 SEQUENCE DESCRIPTION:					
50	GATCATGCCT GCGTGACAAA GCTGGGTTGG CGAACACATC					

	CCTTCCAGAC CTCACCCTGT ATCCCCTGTA ATAAATCAGC			TCATTTGTAT	CCTTTAAAAT	180 218
5	SEQ ID NO:2938 SEQUENCE LENGTH:218 SEQUENCE TYPE:nucleic	acid				
10	TOPOLOGY:linear CLONE:HUMGS03481 SEQUENCE DESCRIPTION:					
	GATCTAAACA GTGAATAGTA TAGTAGCAAA ATNAATGCCT					60 120
15	GGCCAGGTTG TGGCTGCCTT AGCTTNATTA AAGTCACAAC			GGACCTTCCT	AGGAGATTAG	180 218
	SEQ ID NO:2939					
20	SEQUENCE LENGTH:218 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03482	acid				
	SEQUENCE DESCRIPTION: GATCCCTTTG CTGTGAGGGT	AGAAAACCTC	ACCAACTGCA	CCAGTGAGGA	AGAAGACTGC	60
25	GTGGATTCAT GGGGAGCCTC AGGACGTTCT TTCCTTACTG GACCTGGCCT GGAATAAATA	GTGCTGATAA	CAACAGGGAA			
30	SEQ ID NO:2940 SEQUENCE LENGTH:216 SEQUENCE TYPE:nucleic					
	TOPOLOGY:linear	acid				
35	CLONE: HUMGS03483 SEQUENCE DESCRIPTION: GATCTTAGAT TTGATGAAGC	ACAGTATGCA	GGTAGGCCTA	ATGGGGGAAG	ATGGTAATAT	60
	AAAAGCAAGA AGTATTTTT NTTCCTTTAA ACACGATTCT	TTTTGNAATG	NCTGAAAGCT	GTTCTGTGGA	TGACCTACCG	120
40	ATAAACTTGA GCTGGAATTT	GAGGCTTGCC	TGGAAA			216
	SEQ ID NO:2941 SEQUENCE LENGTH:213					
	SEQUENCE TYPE:nucleic	acid				
45	TOPOLOGY:linear CLONE:HUMGS03484					
	SEQUENCE DESCRIPTION:					
-	GATCTCGGGG GTGTGGGGCC					60
50	TTCAGGCCTT TGGGGTATTC GCTTGTCTGG ACTTCGGAGT					

	GATGGGCAAA TAAATTNGTG GAGGACNCCG AAA	213
5	SEQ ID NO:2942 SEQUENCE LENGTH:212	
	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03485	
10	SEQUENCE DESCRIPTION: GATCCTCTCC CCTAGTATNT TCAGCACATG CTCACTGTTC TCCCC	LTCCT TCTCCTTCCC CO
	ATGTTCATTA ATTCATATTG CCCCGCGCCT AGTCCCATTT TCACT	
	AGTAGTTTTG TTAAGTCTTA CCCTGTAATT TTNGCTTTTA ATTTT	
15	CTTAACAATA AAAAGGATGT ATGGTTTTNA AA	212
	SEQ ID NO:2943	
•	SEQUENCE LENGTH: 212	
. •	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
20	CLONE: HUMGSO3486	
	SEQUENCE DESCRIPTION:	
	GATCTTTCA GAGTGGTGTT TCTAAAAGAG CATGTACAAA AGTGGG	CCTGT GGACATTTAG 60
0.5	GCCTAAAGTG ATGCATTINC TCTTCCTNTT TGTGCCAATG TATCAA	
25	GTTTTCTNCA ACTGTATNNA TTGCTGCATT TCTCAGCATA AACTTA	ATCCC ATTGTATTTT 180
	TNATAAATAA ATATTTTTTT TGAACTTTCA AA	212
	SEQ ID NO:2944	
30	SEQUENCE LENGTH: 212	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY:linear CLONE:HUMGSO3487	
	SEQUENCE DESCRIPTION:	
35	GATCAAGGAT GAGGATTAGC ATCTGCAAAT TGAACTCTAT CTAATT	TTNCA TNTTTATTTC 60
	TTAGAATTGT AATTAAATTT GTGTAATAAA TGTNTTCCAT TTCATT	
	TTGGGTGACT GAAATGCAGT TAAGTGAATT NCCTTTTNTT AAAAGC	CAAAT GTAGATTATN 180
	CAATAAAGCA GCAAACCAAT ATTAANCATA AA	212
40	SEQ ID NO:2945	
	SEQUENCE LENGTH: 211	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY:linear	
45	CLONE: HUMGS03488	
	SEQUENCE DESCRIPTION:	
	GATCTATGTA AAAGAATACA ATTCTTTTTT ACATAATTAG TGAAAT	
	GGAAACACTA AATAGTGTAA TATTTCTTTT GCTTTTAAAA AAATTC	
50	AGATAAATAA TTGNTTCATT TTCTTGAGCA ATACTGAAGC AGGATG CATTCATTTA AACATGCTTT GCTTGNTGAA A	
		211

5	SEQ ID NO:2946 SEQUENCE LENGTH:209 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03489	acid				
10	SEQUENCE DESCRIPTION: GATCAAAGAA CTTTTCTTAT CTTGACTGCC TATGGAGGAA AGATTTTCTG CTGATAATCT TGATTCACCT AAAAATGTGT	GACTGTGTTC TTTACACCTT	GGGGGAGCTG	GCATAGCTAG	TGCAGAGTTC	
15	SEQ ID NO:2947 SEQUENCE LENGTH:208 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
20	CLONE: HUMGS03490 SEQUENCE DESCRIPTION: GATCTTCTCT GTGAATCCAC AGGCCAGGTG GGCCCTCAGC TGGCACAGGC CAGGCAGCCC	TGAGGGAAGG GGAGGCTGGG	TACGAGCTCC	CTGCTGGAGC	CTGGGACCCA	
25	CCCAGCACAA TAAAAATGAA	ACGTGAAA				208
30	SEQ ID NO:2948 SEQUENCE LENGTH:207 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03491 SEQUENCE DESCRIPTION:	acid				
35	GATCACACTT NGGCCTTCAC CCTCCGAGTC CAGGTGGACT CCCACTNACC NACAGCATCC ACACTATAAA GTGTTTTTAA	CTGTGGATGT GCCGCCACCC	TTGGATGTGG	CCCGAGCAGG	CTCAGGCGGC	
40	SEQ ID NO:2949 SEQUENCE LENGTH:203 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03492	acid				
45	SEQUENCE DESCRIPTION: GATCTGAAAA TTCTTGGAAA ATTCTGAATN ATTAAATCGT TGTTGCTGTA TGTTTAGATG AATATCCTTG TACTTCTTTG	TTCATTTTCT CTTTCCAATC	AAATGCNTTA	TAATGTGTTT	AGCCCTTTCT	

5	SEQ ID NO:2950  SEQUENCE LENGTH:201  SEQUENCE TYPE:nucleic acid  TOPOLOGY:linear  CLONE:HUMGS03493  SEQUENCE DESCRIPTION:
10	GATCTTNTCT GTNTGGGTGG GGAGCCGGCC GGCCGTGACC CAACGGCATC CCAAGGCCAG 6 GTGGGCCCTC AGCTGAGGGA AGGTACGAGC TCCCTGCTGG AGCCTGGGAC CCATGGCACA 12 GGCCAGGCAG CCCGGAGGCT GGGTGGGGCC TCANTGGGGG CTGCTGCCTG ACCCCCAGCA 18 CAATAAAANT GAAACGTGAA A 20
15	SEQ ID NO:2951 SEQUENCE LENGTH:200 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
20	CLONE:HUMGS03494  SEQUENCE DESCRIPTION:  GATCGTATAT GTGGGTCCCT TCCCTAGAAG AATGGTTGCT GATATGGCTA CTGCTTCTAC 60  ATCTNGAGTT TTTNAATTTA CTTTTTTNAC ACTGTAGCAT TGAGACTGCT TGATTCAAGT 120  CTGGTGCTTT GCCAGATGTA TTAATTNCCA TAAATGCTTT GTGAGTTTGG TTAAAATGAA 180  GATTCACTTG GGAAANCAAA
25	200
30	SEQ ID NO:2952 SEQUENCE LENGTH:199 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03495 SEQUENCE DESCRIPTION:
35	GATCACAGCC GGAATGCAGC TGAAAGATTC CCTGGGGCCT GGTTCCAACC GCCCACTGTG 60 GACTCTAAGG CCTCTGCATT TGTGGGTGGT CTGNCTGTAA TATTTTGGTC ATNGGCTGGT 120 CTGGTCGGTT TCCCATTTGT NTGGCCAGTC TCTATGTGTC TTAATCCCTT GTCCTTCATT 180 AAAAGCAAAA CTAAAGAAA 199
40	SEQ ID NO:2953 SEQUENCE LENGTH:319 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
45	CLONE:HUMGS03496 SEQUENCE DESCRIPTION: GATCTCTAGT TTTTNTGGTT TAATTTTNAG TAGCAGGTCA AAAACCTGCC CTCCTGTNAC 60 TTATTCCCTG AGACTTTTCA GGAGAGCCAG CCCACAGATG ATGAAGAAAT GATGGAAGTT 120 CATTTGGAGA GTCAAATGGG AAAAAAACAA ACAAAAAACT GCCTTTAATA CAGGCAATTC 180
50	AGTGGACTAT AATAATAGTG GAGGGTTGAG ATGTAGAGTT TTTAAAAAAGT GAACAGTTGC 240 TGTTCTTACA TCTNTAANGA AAGCCATAAT GTCTTTAAAT CACTCTTCTG TAAATAGATG 300 NCCNTTTTTG CAGTGTAAA

5	SEQ ID NO:2954 SEQUENCE LENGTH:193 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03497 SEQUENCE DESCRIPTION:	acid				
10	GATCCTTAAT GCAGAGCTAG AGGGCATGAA AACTTAGAGA AATTTTATAT GGGCTTTGTT TGTTAAAGCT AAA	GGTACAAGTG	GCTGAAAATC	GAGTTTTTCC	TCTGTCTTTA	
15	SEQ ID NO:2955 SEQUENCE LENGTH:193 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03498	acid .				
20	SEQUENCE DESCRIPTION: GATCTGTTTC ATTTATAAAA GGTTTTATCA TTTTGCCTAA TATGTGTGAA TTATATTTCT ATATATATAT ATN	AATAGGATAT	AAAAGGGACA	AAAAATAAGT	AGACTGTTTT	
25	SEQ ID NO:2956 SEQUENCE LENGTH:193					
30	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03499 SEQUENCE DESCRIPTION:					
35	GATCCAAGAA TGTGCCAAGA CATGTGCAAT AGGGAGGGAC GGGCAGGGGG AGAAGGTATT GTTGCCACTC AAA	GTCTTCTATT	TTTTNCTGCC	CCCTCCCCGC	CCACTGTCTG	
40	SEQ ID NO:2957 SEQUENCE LENGTH:192 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03500 SEQUENCE DESCRIPTION:	acid				
45	GATCTGGGAG CAAGCTACCA ATACTGCCTG CTTCTCCCAC GCAAGGAAAG TAATGAGGTG CTGCAGTCTA AA	CTNCTCANAG	CCACAGGAAA	GAGGAGGTGA	CAGAGAGAGA	120

5	SEQ ID NO:2958 SEQUENCE LENGTH:190 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03501 SEQUENCE DESCRIPTION:					
10	GATCAGCCTG GGCATCATGG TGGGAGGATA GTTTGACCCC ACGCCAGCCT GGATGACAGA ATTCAGCAAA	TGGCCTGCAC AGAAAGTTGA	GGCTGCAGTG	AGCCATGAAT	GCACCACTAC	120
15	SEQ ID NO:2959 SEQUENCE LENGTH:190 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03502	acid				
20	SEQUENCE DESCRIPTION: GATCTGCTTC CCACTGTGAC GTTTGATAAA TTTGTTGTAT ATATTTNTGG AATATTTGTA TTCCAGGAAA	TCAAAAACTT	GAAATGCAGG	ACGCCATTAA	GTGTCTGTTT	
25	SEQ ID NO:2960 SEQUENCE LENGTH:193 SEQUENCE TYPE:nucleic	acid				
30	TOPOLOGY:linear CLONE:HUMGS03503 SEQUENCE DESCRIPTION: GATCTTGCCC CCTTTGACCT	TCCCCAAAGG	ATEGTCACAC	ACC \ CC \ CTT	T. T. C. C. C. T. C.	
35	TGGCTCACAG GAAAGTGTCT TCGGCAGGGG CCNTNTCTCT CTCCAACNTG AAA	GCAGTAGGGN	ACCCAGAGTC	CCAGGCCCCT	GGAGTTGTTT	
40	SEQ ID NO:2961 SEQUENCE LENGTH:185 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUNGSO3504 SEQUENCE DESCRIPTION:	acid	·			
45	GATCAATCTG AAACTATCTT CGCCAGTGGA TTCGCCTCAA TGGTGTAGAC AAATANNAGT TTAAA	GGTTGAGGCC	GCCATTGGAA	GATGAAAAAT	TGCACTCCCT CTTTTTCTTT	120
50	SEQ ID NO:2962					

5	SEQUENCE LENGTH:191 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03505 SEQUENCE DESCRIPTION:					
10	GATCCAACGA GGAATATTTT TTGATAGAAA GGTAAAGAAT TATGTGCTTA TCGTGTAACT ACATAACCAA A	GAATATTGTT	TTTTAAATAA	CTTTTTTCTT	ATATAAGTAA	
15	SEQ ID NO:2963 SEQUENCE LENGTH:177 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03506	acid				
20	SEQUENCE DESCRIPTION: GATCAGAAAT GGAGCATGGC AAAAGTTATA AGACAGNAGT AATGACAGGT TAAATATTTG	GATACCCCAC	TCTCTCCATT	ATTGTCCAGC	GGGGTGACAT	60 120 177
25	SEQ ID NO:2964 SEQUENCE LENGTH:176 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03507	acid				
30	SEQUENCE DESCRIPTION: GATCACAGNG NTGGTGTCAA AAACTAGAGT ATATATTGTT ACAGAAATTT CTGAACTTTA	CAGTATTTCT	TTGGAAACAT	TTCATTAATG	TACTTGTCTT	60 120 176
35	SEQ ID NO:2965 SEQUENCE LENGTH:172 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
40	CLONE:HUMGS03508 SEQUENCE DESCRIPTION: GATCTGAACG ATGCCGTGTC TTTGTTCAGG TGGGGATGTA GATGGGAGTC TGGCAAGAGG	TTTCATGTAG	AAGGTGGAAG	AAGGCTGCTA	TNACTCTTTG	60 120 172
45	SEQ ID NO:2966					
50 .	SEQUENCE LENGTH:172 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03509	acid				

	SEQUENCE DESCRIPTION:					
	GATCTGCTCT GCTGCCCTGA	ACTCTTACGG	CAATTTAGGT	TTCTCATTTT	NNTTTTCTTT	60
	TTACATATGT ACAAATTGTT					
5	AAATGGGAGT TGTCAGAGCA					172
	SEQ ID NO:2967					
	SEQUENCE LENGTH: 170					
	SEQUENCE TYPE:nucleic a	acid				
10	TOPOLOGY: linear					
	CLONE: HUMGS03510					
	SEQUENCE DESCRIPTION:					
	GATCTCTAAT ACAGTATCTA	ACACAAAAGA	AGCTTTAAAA	AGACAGTTTC	TTTCCTTATT	60
15	TGATTAGCTA GAAGTTTATC 1	TAGGTAAAAG	СААААААА	ANTTTNCAAN	GCATANCATA	120
	NCATTGGGGT TCTTTTTATA C	CTCAAGATGT	TTANCTGTTC	AAANTGNCAN		170
	SEQ ID NO:2968					
20	SEQUENCE LENGTH: 355					
20	SEQUENCE TYPE:nucleic a	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS03511					
	SEQUENCE DESCRIPTION:					
25	GATCCAGGCG GGAGCAGAAG C					
	TGCCAGTACC AGTACCAATA A					
	TGCTGGTGCC AGCCTGACCG T					
	TGGTGCCAGC ACCANTGGCA G					
30	ATATTGTTAA TCCTGCCAGT T					300
30	CTACTCNACA CAGCACTTCT T	TANGGTAGGC	CNCTTATTCA	ANTTCAATTT	NNAGN	355
	CEO ID NO OCCO					
	SEQ ID NO:2969					
	SEQUENCE LENGTH: 258	. ,				
35	SEQUENCE TYPE:nucleic a	icid				
	TOPOLOGY: linear		•			
	CLONE: HUMGSO3512 SEQUENCE DESCRIPTION:					
		.000011000	GTGG 1 TG 1 1 G			
40	GATCTCGGAT GCCATCCCCG A					
	GACCCTGAAG TGAGCCGCTG T					
	TCACTGNAAA GCCGTTGCAG N					
	TNTTGACATC NTCATGCCTT C	CAAAIIUIU	GGTGGCTCTG	TGGGCGCATN		
	GICCIIGAII IIGGGAAA					258
45	SEQ ID NO:2970					
	SEQUENCE LENGTH: 81					
	SEQUENCE TYPE: nucleic a	cid				
	TOPOLOGY: linear	CIU				
50	CLONE: HUMGS03513					

5	SEQUENCE DESCRIPTION: GATCACAAGA GGCCCATTTG AAAATAGCTC TNTCTTTCAA		TTGACAACGG	CTGGNGCAAA	TTAAATAAAT	60 81
10	SEQ ID NO:2971 SEQUENCE LENGTH:169 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO3514 SEQUENCE DESCRIPTION: GATCTNAGAC ATCCCCATCT		A1010T1000	GLGTTQLGGL	G A TOTAL COTTO	00
15	CACCATGCT TCTAAGCAGC CACCTCCTNT NGTGTTGAGC	TGTNTTCCCC	CTGCTAATGT	TACAACCAAA		
20	SEQ ID NO:2972 SEQUENCE LENGTH:168 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03515	acid .				
25	SEQUENCE DESCRIPTION: GATCTCATTA CTGCTTTCT CCTACAAGTT TACTTACTGT TGGCTATTTG ACTATTGTGT	TTGCATTTAC	TTTTTCTTTG	CATTGTCTGT		
30	SEQ ID NO:2973 SEQUENCE LENGTH:225 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03516	acid	·			
35	SEQUENCE DESCRIPTION: GATCTTGCTG CAGCCACAGT TGGCATCACT TACTAACACA GANTGTCAGT ATACAAGNAG AATGTTTTTT TTTTINTTTC	CGNCATGCGG GGATAGAAAA	CTTTTCTGCA CTGGTACTGT	TCAACTGCTA TTTAAATAAT	TGACGGTTAA	
40	SEQ ID NO:2974					
45	SEQUENCE LENGTH: 169 SEQUENCE TYPE: nucleic TOPOLOGY: linear CLONE: HUMGS 03517 SEQUENCE DESCRIPTION:	acid				
50	GATCTTCTGT GGTGCTTAAG AGCCATCATA ACCATTGAAT GCAAATGGNA AAGGTCAATA	AGCATGCAAG	GGTAAGAATG	AGTTTTTANC		60 120 169

. 55

5	SEQ ID NO:2975 SEQUENCE LENGTH:167 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03518 SEQUENCE DESCRIPTION:	acid				
10	GATCCCAACT CCCATGACCT TTCAGTGGGA ACCTCTGAGA CATCTGTGAA GCCAGCCATT	GCATTTTCCT	GTTCCCCCTA	TCAACCGCCC		60 120 167
15	SEQ ID NO:2976 SEQUENCE LENGTH:167 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03519 SEQUENCE DESCRIPTION:	acid				
20	GATCAGNAGC CCACTGATAA CGAGTGTCTT CTCATTTTAT TTGGCTCATC CCCCTTCCAG	TTCAGCTCCA	TTTTGCCCAT	AGATGGGCAG		60 120 167
25	SEQ ID NO:2977 SEQUENCE LENGTH:167 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03520	acid				
30	SEQUENCE DESCRIPTION: GATCATTCCC TCTTTTNGGA TTGCAGAAGA TAACATATTT ATGAGTGTAT TCTGTGCAAT	CCCTTATTTN	NATTTAATCA	CCATAAACCA		60 120 167
35	SEQ ID NO:2978 SEQUENCE LENGTH:166 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03521	acid				
40	SEQUENCE DESCRIPTION: GATCGACTGC CAAGCAGCAG ACTGTAGGAC TATATAAAGT AAAAATGGTA ATATAACANT	ACTACTGTAG	AACTGCAATT	NCCATTCTTT	TAAATGGGTG	60 120 166
45	SEQ ID NO:2979 SEQUENCE LENGTH:165 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
50	CI ONE · HIDIGGO3522					

	SEQUENCE DESCRIPTION: GATCTGGGCG GGGTGGTGCG	CTCCTCAGGG	- CGGATGCCAC	CGGGTTCCCC	AGGGGAATAC	60
	ATGTCCCCAG CTCTGGGAGG					
5	GTGCTCCTCT AGAGAGCTGC	GACTTTAATT	AAAAACAACA	GGAAA		165
10	SEQ ID NO:2980 SEQUENCE LENGTH:165 SEQUENCE TYPE:nucleic	acid				
10	TOPOLOGY:linear CLONE:HUMGS03523 SEQUENCE DESCRIPTION:	a.a.a.				
	GATCAGTGTC AGATATTGTT AAAAAAGCCC AGTTTGTTTT					60
15	GANTATTGTG TTTAACCACA				IIIAAIAIII	165
	SEQ ID NO:2981 SEQUENCE LENGTH:163					
20	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS03524					
	SEQUENCE DESCRIPTION:	TCT1444C4	**************************************	TT10011001	*******	
25	GATCATGAAA TAATGTGCTT TTNAATCATG TATAATATTC					60
	TAGAAGCAAT ATTTCTTCAA				CAUUAAAUIC	163
	••• •• ••					
30	SEQ ID NO:2982 SEQUENCE LENGTH:162					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03525					
35	SEQUENCE DESCRIPTION:	CC + + + CTNCT		amama . aaa .		
	GATCCGCCTG CTTCGGCCTC CCAGGTTTNA TTATTTAANT					60
	GTAATCATGC TCATATTTTT	_			AIMUITIMAI	162
40	<b>ana in</b> un acce					
	SEQ ID NO:2983 SEQUENCE LENGTH:161					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
45	CLONE: HUMGS03526					
	SEQUENCE DESCRIPTION:		10001010		1 TC 1 TC TT	
	GATCACTTGT TGTTTTACTA CTCTCCCGGT TCTTCCAGTG					60 120
	TCTCCAATAT CAGTGCTCGA					161
5 <b>0</b>						

5	SEQ ID NO:2984  SEQUENCE LENGTH:161  SEQUENCE TYPE:nucleic acid  TOPOLOGY:linear  CLONE:HUMGS03527  SEQUENCE DESCRIPTION:
10	GATCTGAGGT CTAACATTGT TATCCTATAT CATTTTCATC CCAAGTAGTG ATATCTGTGA 60 AATCACAGGT TTGATGTGTG CTAATNATGT ATTCTTCTAA TACATATTAA AAGACATAAC 120 TATCAAAACA AAATAAATTT GTCTGTTTTC AACCAAAGAA A 16
15	SEQ ID NO:2985 SEQUENCE LENGTH:161 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03528 SEQUENCE DESCRIPTION:
20	GATCTCCATT TGATATTTTC ATTTGTATAA CTCATTTGCA GTCTGAAAAT TTTTTTTAGT 60 GCCAGTCCCT GAACATATCA TTGAAAGTTA ATTTTCTTTG CATTTTAAAA TATCTGGATT 120 ATGAAGAAAA AGTGATGAAA ATAAATTAAA ACTGAATTAA A 161
25	SEQ ID NO:2986 SEQUENCE LENGTH:160 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03529
30	SEQUENCE DESCRIPTION: GATCTGTGCT AGCTGTGAGG CAGCTCTGGA ACGTGAAGAG CTGTTTGGTT TGAACCGTGA 60 ACAAAACTGT GTTTTGAGTT TAGCTGACAT TATGGAAAAA AGTTCATCAC GTGACTGTTA 120 ATGTAAACCT GGTTATTAAA ATAACNATGA AATTACCAAA 160
35	SEQ ID NO:2987 SEQUENCE LENGTH:157 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03530
40	SEQUENCE DESCRIPTION:  GATCTCTCTG TNACTGACTT TGTGACTGTC CTGTGGTTTC TCCTGCCATT GCTTTGTGTT 60  TGGAAGGACA TGATGGGGGT GATGGACTGG AAAGAAGGTG CCAAAAGTTC CCTCTGTGTT 120  ACTCCCATTT AGAAAATAAA CACTTTTAAA TNATAAA 15
<b>4</b> 5	SEQ ID NO:2988 SEQUENCE LENGTH:157 SEQUENCE TYPE:nucleic acid
50	TOPOLOGY: linear

	SEQUENCE DESCRIPTION: GATCAAANCA CCTNGGAGTG GGGTGATTTA TNATGCCTTC					
5	GGCCTCCCTC CGTGAGCTTT			UNTITOCOAT	TIDAADDDDA	157
	SEQ ID NO:2989 SEQUENCE LENGTH:157 SEQUENCE TYPE:nucleic	لاثد				
10	TOPOLOGY: linear CLONE: HUMGS03532 SEQUENCE DESCRIPTION:	acid				
	GATCCGAATG GNCTGGGTGA	GCACGAATTA	CCGAGGCCTT	CCCTTTGNTA	CAGTCCAGGA	60
15	TTTGTAAGGN ATGAAGACCC GATAGCAACT TGCTTCAGGT			GTCCATACAT	ACTCTCCGAA	120 157
	SEQ ID NO:2990					
20	SEQUENCE LENGTH: 114	•				
20	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE: HUMGS03533					
	SEQUENCE DESCRIPTION:					
25	GATCTCCTTA CGTAGCAGCC					
	AACATTGATG CTTAAGGACC	ACACTGAAGG	AAAAAAAAAG	AGGGGACTTC	GAAA	114
	SEQ ID NO:2991					
30	SEQUENCE LENGTH: 155					
00	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear CLONE:HUMGS03534					
	SEQUENCE DESCRIPTION:					
35	GATCTGATTT ACAAGAAAAA	GTCAGAGCTA	AACACTAGTG	ATGGCATAGC	ATTACTGAAA	60
	TCATTGTTTC TTAATTTCAT			TGATTCAGAT	TCCATTTTCT	120
	CAGAGAATTA AAAACAAAAA	AAGTACTCTT	GTAAA			155
	SEQ ID NO:2992					
40	SEQUENCE LENGTH: 156					
•	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS03535					
45	SEQUENCE DESCRIPTION:	CTTC+TC-TC	TT0T0	መርተሞ <b>ምም አ</b> ርርጥ	ተዋህ ነ ርርጥተዋር	co
	GATCTATTTC TNAGTATGTG TCAGTTTGTA ATNAGAGGAT					120
	CATCTCAAAC ACAATAAACA			TONUNUAUCA	COLUMIUIAL	156
50	SEQ ID NO:2993					
	CEET'ON AT BAR					

5	SEQUENCE LENGTH:154 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03536	acid			
10	SEQUENCE DESCRIPTION: GATCAAATTA GTAATTNNGT AAGCACATTT TCAGACTGCA GAAAAATTAC TTATNGGATA	ATATAGAGAC	TGTGTTCATG		
15	SEQ ID NO:2994 SEQUENCE LENGTH:154 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03537	acid			
20	SEQUENCE DESCRIPTION: GATCTCATTT ATAATTAAAT NAAGAAATTG TGATTAAATA TACTTCATTT AANCTTTTGG	TAACTTAACG	ACTTTCTATT	 	60 120 154
25	SEQ ID NO:2995 SEQUENCE LENGTH:153 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03538	acid			
30	SEQUENCE DESCRIPTION: GATCATATAT GTNTTAGTGG TTTGTAAAAA CTATAGTTAA TGTATACTGT CAATTAAAGT	TAATTATTGC	ATTTTCTTAC	 	60 120 153
35	SEQ ID NO:2996 SEQUENCE LENGTH:153 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid			
40	CLONE: HUMGS03539 SEQUENCE DESCRIPTION: GATCAAACTA CACATGNGTT TATGNAATCA AGGCACACTC GCCTCAGACT TTCATATTTC	CAGGAAGACT	GCCGCGTCGC		60 120 153
45	SEQ ID NO:2997 SEQUENCE LENGTH:152 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid			
50	CLONE: HUMGS03540 SEQUENCE DESCRIPTION:				

	GATCCCAGCA TCTTCTCCAC	TTCAGCGCTG	AGTTCAGTAT	ACACAAGTGT	CTGCTACAGT	60
	CGCCAAATCA CCAGTATTTG	CTTATATAGC	AATGAGTTTT	${\tt ATTTTGTTTA}$	TTTGTTTTGC	120
5	AATAAAGGAT ATGAAGGTGG	CTGGCTAGGA	AA			152
	SEQ ID NO:2998					
	SEQUENCE LENGTH: 152	٠,				
10	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03541 SEQUENCE DESCRIPTION:					
	GATCATTTGG ATATAGCAAT	CTACTCTGAC	AAATCGAACA	CAACCACTTA	CCTATCACTT	60
	TCACTTATAA TTCCAAAAGA					
15	CATATCACTT TTGGGTGGTA			CICAUATION	MCMUIIIIO	152
	CATATOACTI TIUUUTUUTA	ATTACAGTTT	114			102
	SEQ ID NO:2999					
	SEQUENCE LENGTH: 152					
20	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS03542					
	SEQUENCE DESCRIPTION:					
25	GATCCCTGTN TGCNCGNCCC					
	ATTTATATAT ATAAATATCT			CATCCCAACC	AAAACCAACC	
	AAACAAAAAC ATCCTCACAA	CTCCCCAGGA	AA			152
	SEQ ID NO:3000					
30	SEQUENCE LENGTH: 151					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	4014				
	CLONE: HUMGS03543					
25	SEQUENCE DESCRIPTION:					
35	GATCCAGAAG CAAACACAAG	CAATGCAAGA	CCTCCACAGA	GTGAGCTTGG	AGAGAGAA	60
	AGCCAAGATA AGAGAGGAGT	ATGANGAGAA	ANTCAGAAAG	CTGGAAGATA	AAGTGGAGCA	120
	GGNAAAGAGA AAGANGCAAA	TGGNGANGAN	N			151
40	SEQ ID NO:3001					
	SEQUENCE LENGTH: 151					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
45	CLONE: HUMGS03544					
	SEQUENCE DESCRIPTION: GATCTGGAGA TAANTTTATG		TACACACCIC	TOCALTOCOL	CTTCTCCCAC	60
	TTACTGGCTG TTTGACCTTA					
	TGTAAGATAA AAAGAATGAN			INAUCUICAU	11101111100	151
50	IUINNUMIAN AANUAATUAN	IONIINOINA	n.			101
	SEQ ID NO:3002					
	4					

	SEQUENCE LENGTH: 150 SEQUENCE TYPE: nucleic acid TOPOLOGY: linear	
5	CLONE: HUMGS03545 SEQUENCE DESCRIPTION:	
	GATCAGGGCT GGGGCGGGA AACAAGGGAA GGACCTTGGA AGGGGCTGNN CCCAGGCCTG 6 GGGGGCAGTC GTGGGAGCCC CTCTCANCTG TGGGGCTGGC ACAGAGCCCC AGGCAAGCTT 12	
10	TTAATAAACT GTTGGTTATT CTAACAGAAA 15	0
	SEQ ID NO:3003 SEQUENCE LENGTH:149	
	SEQUENCE TYPE:nucleic acid	
15	TOPOLOGY:linear	
	CLONE: HUMGS03546	
	SEQUENCE DESCRIPTION:	
	GATCTCAAAA ATAGGTAATT TTTCTTTGCC GACCTGTAAA AGTGTGCCAA TACACTAAAT 60	
20	TTGTGATTTT AAATTAATTC CTCCAGCTGT TGAAATGAAG TCTGCCAAAT CTTGCTCTAA 120 CAAATAAAAT GTTATCTAAA TGAAGTAAA	
	CAAATAAAAT GITATCIAAA TGAAGTAAA 149	,
	SEQ ID NO:3004	
	SEQUENCE LENGTH: 149	
25	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
	CLONE:HUMGS03547 SEQUENCE DESCRIPTION:	
	GATCCTAAAA GGGAAAATTG CCTTGGTAAC TTTNAGATTC CTGTGGAATT GTGAATNCAT 60	
30	ACTAAGCTTT CTGTGCAGTC TCACCATTTG CATCACTGAG GATGAAACTN ACTTTNGTNT 120	
	TTNGGAGAAA AAAAACTGTN CTGCTTGTN 149	
	SEQ ID NO:3005	
35	SEQUENCE LENGTH: 242	
	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUNGS03548	
40	SEQUENCE DESCRIPTION:	
	GATCCTAGGA TGCGTCCCAG ACGCTCAGTC AGAAGTGCTG GAGGTGGGGC CTGGGAAGCT 60 GTATTTGTAA TNAACTCTGG NGTTTTTTGT CCATTAAAGT GTATCTTTGT CCATCCTATA 120	
	AGNITANNGG AAAGAAAAAG CATCICAAAT NAGTGTAAGT TGTTCTTGAG AAAAAAATGT 180	
	ATCAGACTTT TATGATTTGA ATGAAATGTA TTATAGNAAA ANATAAACAC NTTTAAANTA 240	
45	AA 242	
	SEQ ID NO:3006	
	SEQUENCE LENGTH: 148	
50	SEQUENCE TYPE:nucleic acid	
50	TOPOLOGY: linear	

5	CLONE: HUMGS03549 SEQUENCE DESCRIPTION: GATCCAGTTG TACTTAAGTG GAAGCCATAT TAATAACTGC ATTTAAATAA ATNAGTATTG	ATTTTCCTAA				60 120 148
10	SEQ ID NO:3007 SEQUENCE LENGTH:148 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03550 SEQUENCE DESCRIPTION:	acid				
15	GATCATCGTG CTCTCAGACT CTGGGATAAC ATTTGGAGGA AATCCCCTTT TGGTGGTGTT	AGGTGGGAAG				60 120 148
20	SEQ ID NO:3008 SEQUENCE LENGTH:148 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03551	acid				
25	SEQUENCE DESCRIPTION: GATCAGTCCA CCCAGAGTTA GGTTTTGTGT TTTTTTTT ACCTTTNATA TAAAACCTTT	TCCTNANAGG				60 120 148
30	SEQ ID NO:3009 SEQUENCE LENGTH:171 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
35	CLONE: HUMGS03552 SEQUENCE DESCRIPTION: GATCGCTGTG GTTCTTATTA ATTTGATTCT GTAAAGAATC TTTAACAGAA TACCTGTGGA	CTCTTTAGCT	GTGGCCTGGC	AGTATATAAA	TGGTGCTTTA	
40						
45	SEQ ID NO:3010 SEQUENCE LENGTH:145 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03553 SEQUENCE DESCRIPTION:	acid				
50	GATCTTTTA TTTTGCAATC TTTTTTCAGT GGCCACATTT TTTCTCTTCT GGAAACACCC	TGGTTATCGA				60 120 145

	SEQ ID NO:3011 SEQUENCE LENGTH:144 SEQUENCE TYPE:nucleic	acid				
5	TOPOLOGY:linear CLONE:HUMGS03554 SEQUENCE DESCRIPTION:					
	GATCATAGAG AATGGTGCTT	TTTACTACAG	TTAGCACATG	CATTTTTAGA	AACTACTACA	60
10	TGTTTTAGAG AATCTTTGCT TAAATTATTT CATTATTAAA		AAACTGTATT	GTTCAACTGT	TAACAAATAA	120 144
	SEQ ID NO:3012 SEQUENCE LENGTH:144					
15	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE: HUMGS03555 SEQUENCE DESCRIPTION:					
20	GATCTGCCCT NCTCCTTCTA	AAGGGTAAGT	CATAATCTGT	GTAATACTAC	AATTNATGGG	60
-	NTGCTCACTA TGCCCTGTTT ATAACCCTTG TAAAGTGGGC		CAATTTACAT	GTAATGTCTC	ATTCCTCACA	120 144
ar.	SEQ ID NO:3013 SEQUENCE LENGTH:142					
25	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear CLONE:HUMGS03556					
00	SEQUENCE DESCRIPTION:					
30	GATCCCCAGC TGCCTCACTT CCAGCATTAC CTTCCCTTCC	•				60
	NTAAACAGAA GTATAAAGGA		AATTUTTUUC	Idillicala	AUCAUUAAAA	142
35	SEQ ID NO:3014					
	SEQUENCE LENGTH: 142 SEQUENCE TYPE: nucleic	acid				
•	TOPOLOGY: linear	4014				
40	CLONE: HUMGS03557 SEQUENCE DESCRIPTION:					
	GATCAAATGT GCCTTAATAA					60
	ATTTTAATAC ACGTCATTGG AAATAAACCA GTGAACAATA		ATTTGTAAAT	AGCCTGATGC	TCATTTGGAA	120 142
45	•	- 41			•	
	SEQ ID NO:3015 SEQUENCE LENGTH:147					
	SEQUENCE TYPE:nucleic	acid				
50	TOPOLOGY: linear					

	CLONE:HUMGS03558 SEQUENCE DESCRIPTION: GATCTAAAGA AACAGTTGGC	TGTAGCTGAG	GGGAAACCCC	CTGAAGCCCC	TAAAGGCAAG	60
5	AAGAAAAAGT AAAAGACCTT AATAAATGTA CAATCTCTAT	GGCTCATAGA				
10	SEQ ID NO:3016 SEQUENCE LENGTH:140 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03559	acid		1		
15	SEQUENCE DESCRIPTION: GATCCCAGCA ATGAACTGTT TGGGGAGTGG GGTGGGGGA ACGGACTCAT CTCTGGCAAA					
20	SEQ ID NO:3017 SEQUENCE LENGTH:153 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03560	acid				
25	SEQUENCE DESCRIPTION: GATCTCAGCT TTGAGAAGCC TGCTATTTAT TTTCCTAAAG CTTGANGCTG TGGCCTGAGT	AGAGTATTTT	TATACAAACC			
30	SEQ ID NO:3018 SEQUENCE LENGTH:134 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
35	CLONE:HUMGS03561 SEQUENCE DESCRIPTION: GATCACGAAG GTGGTTTTCC CCTGCGATTT CCCCAAATGT					
40	GTTCGCGCTT TAAA					194
45	SEQ ID NO:3019 SEQUENCE LENGTH:131 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03562 SEQUENCE DESCRIPTION:	acid				
50	GATCTATCTT NCAGAAAGTA CCAGCCACTT GTCCTAGCCA CCACANNNN N					

5	SEQ ID NO:3020 SEQUENCE LENGTH:131 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03563 SEQUENCE DESCRIPTION:
10	GATCACTGTN ATGTGTGGTC CATCTCTGAC CAAAACGTTA TGCAGTACGT GACTGTATCC 60 TNATCCTCAA TAATCCTTGG TTATTATTCT AGAATTTCAA ATAAATGGAA TCATATCATT 120 TACTATGTAA A 131
15	SEQ ID NO:3021 SEQUENCE LENGTH:207 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03564 SEQUENCE DESCRIPTION:
20	GATCCAGTGA ATGATTCAAG AGAGCTACAT TTGAAGCCTG TACAAAAGCT TATCCCTGTA 60 ACACATGTGC CATAATATAC AAACTTCTAC TTTCGTCAGT CCTTAACATC TACCTCTCTG 120 AATTTTCATG AATTTCTATT TCACAAGGGT AATTGTTTTA TATACACTGG CAGCAGCATA 180 CAATAAANCT TAGTATGAAA CTTTAAA 207
25	SEQ ID NO:3022 SEQUENCE LENGTH:130 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
30	CLONE:HUMGS03565 SEQUENCE DESCRIPTION: GATCCTGAGA ATTACTTTTA ATAAAATCAT TTTTTTGCTG TTATTAAAAC TAGNCNNGAA 60 TTGCCTAAAN CCAAGAACTC TGCTTGATAA AATAAGCATA GTNTTAGGAA CAGCCATGCA 120 GATATAANTN 130
35	SEQ ID NO:3023 SEQUENCE LENGTH:129 SEQUENCE TYPE:nucleic acid
40	TOPOLOGY:linear CLONE:HUMGS03566 SEQUENCE DESCRIPTION: GATCATCGAC CCCCAAGGGA CCCGCAGACC CTTAAAAAAA TCACCCACAA CCCTCTGGAA 60 GTGGCCTTGC CCGGTCCCCT TCCCAGGGGC GAGGTCGGCA AAGCAACATG GCAGAGCAGT 120
45	CATAGGAAA 12  SEQ ID NO:3024  SEQUENCE LENGTH:129  SEQUENCE TYPE:nucleic acid
	OPERATOR III D. MECTOTO HOLD

5	TOPOLOGY:linear CLONE:HUMGS03567 SEQUENCE DESCRIPTION: GATCACCTTT TTTTTTATGC GTTGTGAATA GCAGTCTGCA TCCTAAGTTT AAAATATTTG AGAATCCTCT ATGGGACTCT CTGTAAATNT TTTAAATACT GTTGTTTTCA ATAAATATTT 1 TATACTAAA	60 120 129
10	SEQ ID NO:3025 SEQUENCE LENGTH:129 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03568	
15	TCTTCGTAGT AATGTAATTG TATTTTATGC CTGCTTTTTT ATAAAAAAAT AAAATAAAAT	60 120 129
20	SEQ ID NO:3026 SEQUENCE LENGTH:129 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
25 30	CACTITACAT GGGTGAGTTG TATGGTGTGT GAATTATATT TCAATAAAGC TGGGTTGTTT 1	60 120 129
. 35	SEQ ID NO:3027 SEQUENCE LENGTH:140 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03570	
40	SEQUENCE DESCRIPTION: GATCCCAGGA TTCAGTATTC CTGGCCCAGA GGNCNTTGCT GGCTACTGGG TGTTAGTTTG CAGTCCTGTG TGCTTCCCTC TCTTATGACT GTGTCCCTGG TTGTCAATAA AATATTTCCT 1	60 120 140
<b>4</b> 5	SEQ ID NO:3028  SEQUENCE LENGTH:127  SEQUENCE TYPE:nucleic acid  TOPOLOGY:linear  CLONE:HUMGS03571  SEQUENCE DESCRIPTION:	
50	GATCCTACGA CAGGACCCAG ATGCCAGTGA AAGTGACCAC AGCCCTGCTC TAGTCACCCC GGAAGCTGAC CAGTCTACGC ACGGCCGAAG CTTCGTCAAG GAAGTAAATG TAGTTAGAAA 1	60 120

	TCTTAAA	127
5	SEQ ID NO:3029 SEQUENCE LENGTH:223 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
10	CLONE:HUNGS03572  SEQUENCE DESCRIPTION: GATCTAGAGT ATAAGCTGCG CAAGGGCAGA AGTTTTTATC TGGTTTGTTC ATGGATGTAT TCTAAGAGCT GAGAACAGGG CCTGGACACA ATAAGCATTC AATAAATATT TACTGAATGA 1 ATGAACTCCT ACCTATATTC CTATTTATAA TTTGGCTCCA CTTTATCCTA CTTTAGCTCC 1 CATTCAATTC AATAAAAAAA ACATTTTTTN GNACACATAT AAA	
15		
20	SEQ ID NO:3030 SEQUENCE LENGTH:132 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03573	
25	SEQUENCE DESCRIPTION: GATCCATCTC AGTCACTTTT TCCCCTGCAA TGCGTCTTGT GAAATTGTGT AGAGTGTTTG TGAGCTTTTT GTTCCCTCAT TCTGCATTAA TAATAGCTAA TAATAAATGC ATAGAGNAAT 1 TAAACTGTGA AA	60 120 132
30	SEQ ID NO:3031 SEQUENCE LENGTH:123 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03574 SEQUENCE DESCRIPTION:	
35	GATCCAGTTT TNCTACAAAG AACAAAGTGG TTGACAACAG TGACAGTAAT TNCTGGAGCA AAACCAAAAG ACATAGGTAA AGANCATATA ATTGTTAATA AAGCACACTG CTTTCAACAC 1 AAA	60 120 123
40	SEQ ID NO:3032 SEQUENCE LENGTH:124 SEQUENCE TYPE: public acid	
	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY:linear CLONE:HUNGSO3575 SEQUENCE DESCRIPTION:	
45	GATCCAAGTG TTTTAACAAT TGGGGCTGTT AAGTCTGACC ATACATCACT GTGATAGAAT GTGGGCTTTT TCANGGGTGA AGATACAAGT CTTAACCACA GTGTAACTTA CAGTTTCCTT TAAA	60 120 124
50	SEQ ID NO:3033 SEQUENCE LENGTH:270	

	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY:linear CLONE:HUMGS03576	
5	SEQUENCE DESCRIPTION:	
	GATCAGAGCA AGCCTTGCCT CTTATCTTCG GGAAACCAGA ATATGTTTGG GGTGGT GCCACACAGA CTCTTCTGAG CCCCCTCACT CACTTCCTTC CCCCTGTGCC TTTCCT	
	GAGTGAAGGT GGGTNGAGTT GACCAGAGAA AGGGGAGAGA ATTCGGGAAA GACCCA	
	NTTTGTAATT CTTCTTTGTC CTTTTACCTA CAGAAATGGT CACATGGTTC TATTTA	
10	GCCTAATAAA CACATCTGGA GCCTGTCAAA	270
	SEQ ID NO:3034	
	SEQUENCE LENGTH: 127	
15	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
	CLONE: HUMGS03577	
	SEQUENCE DESCRIPTION:	
20	GATCTCAAAG ATACACAGTA CCTACTTAAT TCCAGCTGAT GGGAGACCAA AGAATT' AGTGGATGGT TTGGTATCAC TGTAAATAAA AAGAGGGCCT GGGAATTCTT GCGATT	
	CTCTAAA	127
	CEO ID NO 1005	
	SEQ ID NO:3035 SEQUENCE LENGTH:120	
25	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	
	CLONE:HUMGS03578 SEQUENCE DESCRIPTION:	
30	GATCCCTACC TGCTCCCCGC TCCGGTTGCC AGCAGCACTC ACTGCACTCC TTTGTC	
	ACTCTGCATC ACTGTCATAC TCACANCTTC GTGAATAAAG TTGTGTGCTT TATTCG	ГААА 120
	SEQ ID NO:3036	
35	SEQUENCE LENGTH: 120	
	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
	CLONE: HUMGS03579	
	SEQUENCE DESCRIPTION:	
40	GATCAGGGAC CTCACGCATC TNTTTCTCAT ATACATGGNC TCTCTGTTGG CCTGCAA CATTTNCTTC TCCGCTTATN AGACTATTTA NCTTTAATAA AGCACTGGAT ATAAAT(	
		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
	SEQ ID NO:3037 SEQUENCE LENGTH:176	
45	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
	CLONE:HUMGS03580 SEQUENCE DESCRIPTION:	
50	GATCTAAAGC TNAACAATGA AAATCTTCAG CAGAAATAGA AATNGCCGTG GATTGT	AATA GO

	CACACTGAAA TTCTNACTTT CTGTATGAGT ATTTCNAGTA					120 176
5	SEQ ID NO:3038 SEQUENCE LENGTH:119 SEQUENCE TYPE:nucleic	acid				
10	TOPOLOGY:linear CLONE:HUMGS03581 SEQUENCE DESCRIPTION: GATCTGAAAT GTCTGAGAGT CAGTCCATTC TGTTTTNATT					
15	SEQ ID NO:3039 SEQUENCE LENGTH:234 SEQUENCE TYPE:nucleic		OTTUNNATAT	ATAUTTUMA	ATHATYAMA	
20	TOPOLOGY:linear CLONE:HUMGS03582 SEQUENCE DESCRIPTION: GATCAGAATA TGACATTGCA	GTAAAGNGCT	TAAATAGTTT	CATCTNTGGT	TTTTTTTCT	60
25	AGACACTTTT CTTTTATCCC CTATCCATAC AACCTGTATT GNTATGTAGG TCTAAAATAT	AGNCATCTCT TACTTTAATT	GAATTTACAT TCACTATGCT	TTTATATTAA TTCAGCTTAC	AGAAATTGAG TTTATTGTAT	
30	SEQ ID NO:3040 SEQUENCE LENGTH:132 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03583 SEQUENCE DESCRIPTION:	acid				
35	GATCATGACA CTNAAGCGTG GGTCAATGAG AGAGGAGAGT TGAACACANG TN					60 120 132
40	SEQ ID NO:3041 SEQUENCE LENGTH:118 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03584	acid				
45	SEQUENCE DESCRIPTION: GATCCCTAAA AATGTTGAGG CACAGTATCT ACCCTTACAT					60 118
50	SEQ ID NO:3042 SEQUENCE LENGTH:117 SEQUENCE TYPE: puchaic	aaid				

5	TOPOLOGY:linear CLONE:HUMGS03585 SEQUENCE DESCRIPTION: GATCGGACCG TTCATGCTGC CTATAGGCAT TATGTCCCTC AAAAAAAAAC TCCTTTNCCT 60 GCATCCTGTG TACAACATGA CATTTTTAAC CAATCCAATC
10	SEQ ID NO:3043 SEQUENCE LENGTH:117 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03586
15	SEQUENCE DESCRIPTION: GATCAGAAGT GGCAGTCTAT AACTNAAAAT GTGGTAAAGT ACTTGANGCA AACATCCCGC 60 ATCGCTGTTG GACCTCTNAN ACTTTCTACT TTAACAGTTT CACAGTCTTT NCCAGTN 117
20	SEQ ID NO:3044 SEQUENCE LENGTH:116 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03587
25	SEQUENCE DESCRIPTION: GATCTCCTCC ACCCTGTACC AGGCAGCAGC TCCAGTCCTC ACACCAGCCA AGGTCACAGG 60 CAAGAGCAAG AAGAGAAACT GACCCTGAAT GTTCAATAAA GTTGATTCTT TGTAAA 116
30	SEQ ID NO:3045 SEQUENCE LENGTH:116 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03588
35	SEQUENCE DESCRIPTION: GATCTGAAAT CNNGGTCTTC CAAGGNAGAA AATCGANCTG GGAATAAAAG AGAAGACCTG 60 TGATGGGGCA GCAGTGACGC NCTGTGGGGG GACAGGTGGA CGTGGAGAGC TCTTTN 116
40	SEQ ID NO:3046 SEQUENCE LENGTH:116 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUNGS03589 SEQUENCE DESCRIPTION:
45	GATCCTGAAG AAATCATATG TTAAACATAC TTTNACACCT ACTGTGTTAT AAAATATATC 60 ATCAGATGTG CCTTGAGAAT AGTATATGTA ACATTAAAAA AAAGTTGCTG GCTAAA 116
50	SEQ ID NO:3047 SEQUENCE LENGTH:115 SEQUENCE TYPE:nucleic acid

	TOPOLOGY:linear CLONE:HUMGS03590 SEQUENCE DESCRIPTION					
5	GATCCTTGGA CTTTGTGT TTATTTCTGT TCTAAAAA					60 115
10	SEQ ID NO:3048 SEQUENCE LENGTH:179 SEQUENCE TYPE:nucle					
	TOPOLOGY: linear CLONE: HUMGS 03591 SEQUENCE DESCRIPTION					
15	GATCTCAACA AGAAGCTG TTGGTTATCT AGTTACCA	TA TTTTAAGTAT				60 120
	TTAACTGTTA AATGCGCT	AC CCACCAATAA	TGAAATAGAC	CTTTATGAAA	ACTGTGAAA	179
20	SEQ ID NO:3049 SEQUENCE LENGTH:239 SEQUENCE TYPE:nucle TOPOLOGY:linear					
25	CLONE: HUMGS03592 SEQUENCE DESCRIPTIO	•••				
	GATCCTGAGG AAAGACTT GCATAGATAG GTATAGTG	GG TTTNCTTGAG	GTGGTAAGGC	TTTGCTGGAC	CCTGTTGCAG	
	GCAAAAGGAG TAATTGAT ATATTATTGG GATTTTCA					
30	SEQ ID NO:3050 SEQUENCE LENGTH:114					
35	SEQUENCE TYPE:nucle TOPOLOGY:linear CLONE:HUMGS03593 SEQUENCE DESCRIPTIO					
	GATCTTGGCT TTCTNTTT GCCAACCTCG TGAGCCAG	CC TCTTCTCCTN				60 114
40	SEQ ID NO:3051					
	SEQUENCE LENGTH: 113 SEQUENCE TYPE: nucle					
45	TOPOLOGY:linear CLONE:HUMGS03594 SEQUENCE DESCRIPTION					
	GATCTGTATA TGCTATCO					60 113
50	S.B. G. L. C.	TI I I I I I I I I I I I I I I I I I I	IIIIIUAAAI	HOUSEULINI	MMI	110

	SEQ ID NO:3052 SEQUENCE LENGTH:113	
	SEQUENCE TYPE:nucleic acid	
5	TOPOLOGY:linear CLONE:HUMGS03595	
	SEQUENCE DESCRIPTION:	
		60
10	CAAGTATTTT TGTAAGAGGT GTATATAATT CAATAAAAAA GGTAAAACAT AAA 1	113
	SEQ ID NO:3053	
	SEQUENCE LENGTH: 161	
15	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
73	CLONE: HUMGS03596	
	SEQUENCE DESCRIPTION:	
		60
20	GACAACCTCC ATTCTATTTT AGAATAAATT CCCAACTTCT CTTGCTTTCT ATGCTGTTTG 1 TAGTGAAATA ATAGAATGAG CACCCATTCC AAAGCTTTAA A 1	20 61
	in the second of	01
	SEQ ID NO:3054	
05	SEQUENCE LENGTH: 111 SEQUENCE TYPE: nucleic acid	
25	TOPOLOGY: linear	
	CLONE: HUMGS03597	
	SEQUENCE DESCRIPTION:	
30	TOOLOGE TOO TOO TOOLOGE TOO TOO TOO TOO TOO TOO TOO TOO TOO TO	60 11
	1.	11
	SEQ ID NO:3055	
05	SEQUENCE LENGTH: 110 SEQUENCE TYPE: nucleic acid	
35	TOPOLOGY: linear	
	CLONE: HUMGS03598	
	SEQUENCE DESCRIPTION:	
40	ACCONTACTOR OF THE CONTROL OF THE CO	60 10
		10
	SEQ ID NO:3056	
40	SEQUENCE LENGTH: 109 SEQUENCE TYPE: nucleic acid	
45	TOPOLOGY: linear	
	CLONE: HUNGS03599	
	SEQUENCE DESCRIPTION:	
50	COMOGNATOR	60 ng

5	SEQ ID NO:3057 SEQUENCE LENGTH:109 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03600	
10	SEQUENCE DESCRIPTION: GATCAGAGTG TINTAAATCA TCACGCCCTT AGCTTATCCC TNGTCGAGCC AGGACACGGG 60 GTGCTTCAGT GGGTCTGTNA CCCTCTCTCC TTGAAGCATG TTGCTGNNN 100	-
15	SEQ ID NO:3058 SEQUENCE LENGTH:108 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03602	
	SEQUENCE DESCRIPTION: GATCCCTGAA TGTGAACCTG AAGTTCAAAG GACTTGGAAA GCTCTGGAAT GTGTTGGTTT 60 TTCCCCCCCA AAATGGGTCC TAAGGAGGGT AAAGTGACTT GTTTCAAA 108	
20	SEQ ID NO:3059 SEQUENCE LENGTH:108 SEQUENCE TYPE:nucleic acid	
25	TOPOLOGY:limear CLONE:HUMGS03603 SEQUENCE DESCRIPTION: GATCAGTTTC TTTNGCTTCA AGATTTGAAA CCAGAAAGGA AAGTCCNACT TGCAGATGAT 60	)
30	TGTCCTTAAA ACCTAATGGA AAANTAAAAG ANAGACATAC CATGGAAA 108	}
	SEQ ID NO:3060 SEQUENCE LENGTH:107 SEQUENCE TYPE:nucleic acid	
35	TOPOLOGY:linear CLONE:HUMGS03604 SEQUENCE DESCRIPTION: GATCCATCAT TGTTCACAAA CTTCACTGTC AAGAACCTTT TCGTTGCATA ATGTGCAAAT 60	)
40	AGTTAAAACC ACTGTACTAT ATACTTAAAA ATGATTAAGA TAGTAAA 107	
45	SEQ ID NO:3061 SEQUENCE LENGTH:252 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO3605 SEQUENCE DESCRIPTION:	
	GATCTGGCAG CTGAGGCCCG AGGCAGGGTT GGNGTGATGC CAGGGCAAAG TGGTGAGGAG 60 AAAACAGGAA NCGGGCTTTC NCCNCATTGG TAAATGGGAA AGAGGTGAGC AACTTAAGAT 120	
50		)

	TGTCACAATT AATCACAAGT	GTACAGGATT	AGACTGGGTT	TATATTTAAC	TCTTGCTNCA	180
	TAGGTGTACC ATTTAAAGAG	TGTTATTTAA	TGCTAAGTTT	AACTGCTTTA	ATAAAGTTTA	240
	TTTTTAAATA AA					252
5						
	SEQ ID NO:3062					
	SEQUENCE LENGTH: 103					
	SEQUENCE TYPE:nucleic	acid				
10	TOPOLOGY: linear					
	CLONE: HUMGS03606					
	SEQUENCE DESCRIPTION:					
	GATCAACAAA ATAACTTGTA	TCTCCTGCTT	AANTCCTTTA	TACTACCTGG	NGAAAAGTAT	60
	TTCCCATATT TCCAATAAAT	GTCAGACACT	ATTGAGAAAG	AAA		103
15						
	SEQ ID NO:3063					
	SEQUENCE LENGTH: 103	•				
•	SEQUENCE TYPE:nucleic	acid .				
20	TOPOLOGY:linear					
	CLONE: HUMGS03607					
	SEQUENCE DESCRIPTION:					
	GATCCTGNAT NANGCCCGGG				AAACCGAGAT	60
	GGCCATGCTG GTGACCCAGG	CCAGGAAGAA	CACCATCACC	CNN		103
25				•		
	SEQ ID NO:3064					
	SEQUENCE LENGTH: 159					
	SEQUENCE TYPE:nucleic	acid				
30	TOPOLOGY:linear					
	CLONE: HUMGS03608					
	SEQUENCE DESCRIPTION:					
	GATCCTCACA GTCAAGTGAC					
35	CCACTTTTAT TGCTTGTCTN			CTGAGGGCCT		
	ATAAAGGTNC CCTCAGCGGA	IGIGGGCCAI	GICACCAAA			159
	SEQ ID NO:3065					
	SEQUENCE LENGTH: 102					
	SEQUENCE TYPE:nucleic	acid				
40	TOPOLOGY: linear	acru				
	CLONE: HUMGS03609					
	SEQUENCE DESCRIPTION:					
	GATCCTATCG CCTTTNAGTA	GAATATGAAA	TATTCTTTNA	GAAATCCAAT	ATAAATAGGT	60
45	TATAATAGCC ATATNCTTNA					102
	SEQ ID NO:3066					
•	SEQUENCE LENGTH: 186	•				
50	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					

5	CLONE: HUMGS03610 SEQUENCE DESCRIPTION: GATCTNAGCT CCCACCTCC TTCCCACCTA CTGCACTTTC CCCCTTCCCG CCTTCCAAAA CCTGCTTCCT TCAGTTTGTA AAGTCGGTGA TTATATTTNT GGGGGCTTTC CTTTNATTTN TAAAATGNAA AATTTATNTA TANTCCGTAT TTAAAGTTGT AAAAAAAATA NCCACAGAAC AGNGAN	120
10	SEQ ID NO:3067 SEQUENCE LENGTH:100 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03611	
	SEQUENCE DESCRIPTION: GATCTCAGAC AGTGTGCGGC GGCACATGAG CGGCTTTCCG CAGTGTCCTG TNTTGAGCCA CTGCAGTCTG GGCCCCATCA TTAAACGGGC TGCGTTTAAA	60 100
20	SEQ ID NO:3068 SEQUENCE LENGTH:98 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03612	
25	SEQUENCE DESCRIPTION: GATCTCCAGT NAGACTCCAG GGTTCTAGAC AGAGGCCAGT NTTGGCCACT CACCCCACAC CCCGCGGACC CCAATAAAGG CTTGCATAGC TCCAGAAA	60 98
30	SEQ ID NO:3069 SEQUENCE LENGTH:98 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03613	
35	SEQUENCE DESCRIPTION: GATCCTGAAG CTTNACCGGG CTCCAAAGGG CAAATGGAGC TGCCCTCNTC TGTATCAGGT TTATTGGTTG TACATATAAA TNATACTTNC CTTTCAAA	60 98
40	SEQ ID NO:3070 SEQUENCE LENGTH:107 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03614	
45	SEQUENCE DESCRIPTION: GATCCTGTTT AACAAAGATA CTTGAGACAT CCATTTGTTT TAATGAAATC TGTATGGATA TGGAAATNCT TGCCCTAATA AAAGCCTACA TATACCTTCT GGTTAAA	60 107
50	SEQ ID NO:3071 SEQUENCE LENGTH:97	

5	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03615 SEQUENCE DESCRIPTION: GATCTNTCCG TTCTCAGGCC TGCTGCAATN TTNAAATAAA	AGACCCCTGG		AATTTTTTTT	тстстатстт	60 97
10	SEQ ID NO:3072 SEQUENCE LENGTH:95 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
15	CLONE: HUMGS03616 SEQUENCE DESCRIPTION: GATCCTAAAC AAATCATCTT TGTCTTTATT AAAGAAAAAT			GCAAAAATTG	TTAAATCCTT	60 95
20	SEQ ID NO:3073 SEQUENCE LENGTH:94 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03617	acid				
25	SEQUENCE DESCRIPTION: GATCTAAGTG ATGAGTCTAG AACTTTTCAA AATAAAAAAT			TNCAACTTTC	CTGGAAAACG	60 94
30	SEQ ID NO:3074 SEQUENCE LENGTH:183 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03618	acid				
35	SEQUENCE DESCRIPTION: GATCACTTTG AGAAACAAAC TAAAAATAAA TATTGTTCTG AAACAATTTT TTGTTTTTGT AAA	ATTATNACTG	AAAAGATGTC	AGCCATTTCA	ATGTCTTGGG	
45	SEQ ID NO:3075 SEQUENCE LENGTH:92 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03619 SEQUENCE DESCRIPTION:	acid				
50	GATCTGCCAT ATTTGNTNTT NATATAGTAA TAAATCATTG			GCCTAAAGGT	GGTTGTTTAT	60 92

5	SEQ ID NO:3076 SEQUENCE LENGTH:92 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
10	CLONE:HUMGS03620 SEQUENCE DESCRIPTION: GATCAGGCTG CCTCCTGGNT GCAAGGCCTA AAGTAAAATT			CGGCAGCCTG	GCAGGGAGAT	60 92
15	SEQ ID NO:3077 SEQUENCE LENGTH:91 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03621	acid				
20	SEQUENCE DESCRIPTION: GATCTAGCCC CTTCTTCAGG CTAAATAAAC GGATTCTTCA			ANCCGTCTCT	TGGCCACCAG	60 91
25 .	SEQ ID NO:3078 SEQUENCE LENGTH:91 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
30	CLONE:HUMGS03622 SEQUENCE DESCRIPTION: GATCTGCTAT TGTTATTTCT TCCCAAAATA AATNACACAT			CTCAGTTTTA	ATTATTTTCT	60 91
35	SEQ ID NO:3079 SEQUENCE LENGTH:239 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE: HUMGS03623 SEQUENCE DESCRIPTION: GATCCTGCAT CAGCATTGTA ATTTATTTNA CTTACAATCC					60 120
40	TTTAGGTTTA AGATGACCAA ANTAANTCTC CGTTTNNTTC SEQ ID NO:3080	TGACAATGAC	CACCTTTGCA	GAAAGTAAAC	TGATTGANTA	180
45	SEQUENCE LENGTH:196 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03624	acid				
50	SEQUENCE DESCRIPTION:	ACCCTGANAT	GGAGCTGAGA	CTTTATTTAT	TGGGGGTAGG	60

	GGGATGGAGG AGGTCCCTCC CCTGCCCTG CCCCTGCCCA GCAATTTGTA TCCAAA	=				
5	SEQ ID NO:3081 SEQUENCE LENGTH:90 SEQUENCE TYPE:nucleic	acid				
10	TOPOLOGY:linear CLONE:HUMGS03625 SEQUENCE DESCRIPTION:	000 100000	. C m. C.	O. T. T. C. T. C. C. T. T.	#0#GGGG#	22
	GATCTGTGTA CTGTTTACTT TGTATTTTCT AATAAATGAC		AGAATCCCTT	GTATCTCCTT	TCTCGGGAAT	60 90
15	SEQ ID NO:3082					
20	SEQUENCE LENGTH:90 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03626	acid				
	SEQUENCE DESCRIPTION: GATCTCTGGA AGTGTAATTN TNCCAAATAA AACTTGTTTT		TTNCTTGCAG	CTTTAACAAA	ATGAGAAACT	60 90
25	SEQ ID NO:3083					
30 .	SEQUENCE LENGTH:89 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03627	acid				
	SEQUENCE DESCRIPTION: GATCCTCGGG AAGAACAAAG TTAAATAAAG TTTACTAATT		CTTTTGTCTG	TTATTTTATT	TTTTTGAAGT	60 89
35	SEQ ID NO:3084 SEQUENCE LENGTH:88 SEQUENCE TYPE:nucleic	acid				
40	TOPOLOGY:linear CLONE:HUMGS03628 SEQUENCE DESCRIPTION: GATCAATCTT TGATGGTGAG	GGTTTTAGAA	AGGAAAAATA	TAGTAAAATG	TGTAATTTGT	60
•	CTTAATAAAA TCTATCTNTA					88
<b>4</b> 5	SEQ ID NO:3085 SEQUENCE LENGTH:94 SEQUENCE TYPE:nucleic	acid				
50	TOPOLOGY:linear CLONE:HUMGS03629					

_	SEQUENCE DESCRIPTION: GATCTAGATT GGGTGAGGGG GACGGGGATG TCAATAANCT GGTTTAAAGT TGTAAAGTGN		AAGTGTGTTN	TGTTACTGTG	60 94
5					
	SEQ ID NO:3086				
	SEQUENCE LENGTH: 89				
	SEQUENCE TYPE: nucleic acid				
10	TOPOLOGY:linear				
	CLONE: HUMGS03631				
	SEQUENCE DESCRIPTION:				
	GATCTGAATT TCACAAAAAG TTCATGGAGA	AATATATTAA	ATAGTACAGT	TTTATGTGCT	60
45	TAATTAAAGA CTGTAAAACG TAAAGGAAA				89
15				•	
	SEQ ID NO:3087				
	SEQUENCE LENGTH: 84				
-	SEQUENCE TYPE:nucleic acid				
20	TOPOLOGY: linear				
	CLONE: HUMGS03632				
	SEQUENCE DESCRIPTION:	G CTC C.	00TT0TT0T		~~
	GATCATACCA CGGCACTCCA GACTGGGGAC	CAAAGIGAGA	CCITGITICI	AAAANIIAAA	60
25	ATATTTAGAA TGTTTCCTAG CAAA				84
	SEQ ID NO:3088				
	SEQUENCE LENGTH: 82				
	SEQUENCE TYPE: nucleic acid				
	TOPOLOGY: linear				
30	CLONE: HUMGS03633				
	SEQUENCE DESCRIPTION:				
	GATCCCAAGG ATGGAGAACA ACTTACCCAG	TAGCTAGAAT	GTTAATGGCA	GAAGAGNAAA	60
	CAATAAATCA TATTGACTCA AA	***************************************	411111111111111111111111111111111111111		82
35					
•	SEQ ID NO:3089				
	SEQUENCE LENGTH:81				
	SEQUENCE TYPE: nucleic acid				
40	TOPOLOGY:linear				
40	CLONE: HUMGS03634				
	SEQUENCE DESCRIPTION:				
	GATCTCCAGA TGTGCATTTC CCTCTCTTAT	TTTAAGTTAT	GTTAAGATTA	CTAAAACAAT	60
	AAAAGCTCCT AAAAAATCAA A				81
45					
	SEQ ID NO:3090 ·				
	SEQUENCE LENGTH: 79				
	SEQUENCE TYPE:nucleic acid				
50	TOPOLOGY:linear				
	CLONE: HUMGS03635	•			

	SEQUENCE DESCRIPTION: GATCCAACCG TGCCTGAAGC ATACCCTTTT TTGCTTAAA	TAGAATATCC	CCTGGACTTT	TCAGTTATGT	GAACCAATAA	60 79
10	SEQ ID NO:3091 SEQUENCE LENGTH:78 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE: HUMGS03636 SEQUENCE DESCRIPTION: GATCTGNGAN ATATTATGGT GTAAACTTAA TCAGCAAA	AATTGTGTCG	GGGCGCCATG	AACCGCACCC	ATATAACACG	60 78
15	SEQ [D NO:3092					
20	SEQUENCE LENGTH:77 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03637	acid ·				
	SEQUENCE DESCRIPTION: GATCATGCTG AAAACCACTC TATTCTGAAT AATGAAA	AAACGATTAT	ATTTTTTACA	TTATAAGAAG	TAAAATATAT	60 77
25	SEQ ID NO:3093					
30	SEQUENCE LENGTH:75 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03638	acid				
	SEQUENCE DESCRIPTION: GATCTGTGCA TTGCTCCTTC AGGCCTTACT CTAAA	TGATTTGTGC	TAAGTTGTTA	AATAAGAGGG	ACCCTGAGAA	60 75
35	SEQ ID NO:3094 SEQUENCE LENGTH:75 SEQUENCE TYPE:nucleic	acid				
40	TOPOLOGY:linear CLONE:HUMGS03639 SEQUENCE DESCRIPTION: GATCACACAG CTAACGAGGC CTTTCTGTGC TTAAA	TGCCTCCAGC	ATTTCCTGAT	TTCCTCTGTG	GTAATAAAAG	60 75
<b>4</b> 5						
	SEQ ID NO:3095 SEQUENCE LENGTH:78 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
50	CLONE: HUMGS03640					

	SEQUENCE DESCRIPTION: GATCAGAACT TACAAACCAA AAAGTGACAT GNAGGAAA	ACTTTTATTC	TGAGAAACTG	GCTGTACAAT	ATNTGAAAAG	60 78
5	SEQ ID NO:3096 SEQUENCE LENGTH:74 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
10	CLONE:HUMGS03641 SEQUENCE DESCRIPTION: GATCTTTTTN AAGTNTTCTG TTGTTTTCCA CAAA	AAAGGAAGTA	GACAGTATTA	CACCCTGAAT	AAATAAGGTG	60 74
15	CEO ID NO. 2007					
	SEQ ID NO:3097 SEQUENCE LENGTH:267 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
20	CLONE: HUMGS03642 SEQUENCE DESCRIPTION: GATCTACTTC CCATGCAGAA	GAGAAGTCAC	ATCTTCCAGG	GAATCGCAAT	GTTGTGGCGT	60
	CTGACTTGTA TGTCACATTT					
25	GAATATTGTA TGTATGCTTG					
	GTTGGATTGG GGNAAATCCA GCTGCAAANC ANANAANANN		TCAAANTAAN	NTACATTTT	AGGTTTCGAT	240 267
30	SEQ ID NO:3098 SEQUENCE LENGTH:73 SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUNGS03643					
35	SEQUENCE DESCRIPTION:	<b>TC 1 1 TT T T T T T T</b>	<i>ጥር ባር ር ጥር ጥር</i> ጥር	C TCTCT.	A A A T A A A C A T	60
	GATCATGGTG ATGTACGGGG TATCTGGCAG AAA	IGANITOTO	IUCCUIUIIU	CAAATUTUTA	AAATAAAAAT	73
40	SEQ ID NO:3099 SEQUENCE LENGTH:71					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03644					
45	SEQUENCE DESCRIPTION: GATCCNAGNT CTANCGTCAT	ATAATCATTT	AATATAATTA	AAGTTTAATT	GCTGAAATAC	60
	TTATAATGAA A					71
	SEQ ID NO:3100					
50	SEQUENCE LENGTH: 69					

5	SEQUENCE TYPE: nucleic acid TOPOLOGY: linear CLONE: HUMGS03645 SEQUENCE DESCRIPTION: GATCATGCAA TTCCTTCAAT TATGATGGAA AGACTTGAAC TTTCTGAAAT AAAACAAAAA TACAGCAAA	60 69
10	SEQ ID NO:3101 SEQUENCE LENGTH:67 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO3646	
15	SEQUENCE DESCRIPTION: GATCCATTTA TTGCAATTCA TGCTGAATCT AAATTATAAA ATTTAAAATT AAATGCATAT CCTCAAA	60 67
20	SEQ ID NO:3102 SEQUENCE LENGTH:65 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03647	
25	SEQUENCE DESCRIPTION: GATCCGAAAC CTGTTAAACA ATAAGATGTG TTCTCGGAAA ATNAAACAAG AGGTATCACA AGAAA	60 65
30	SEQ ID NO:3103 SEQUENCE LENGTH:64 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03648	
35	SEQUENCE DESCRIPTION: GATCATCTCT TCTCCATAAG ATAGTGTGAT AAACACAGTC ATGAATAAAG TTATTTTCCA CAAA	60 64
40	SEQ ID NO:3104 SEQUENCE LENGTH:64 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03649	
<b>4</b> 5	SEQUENCE DESCRIPTION: GATCGCTCCA ATAAACATAT ATTGTGAAAA TGCATCCACA ATAAATGGAA TTCCTTCCTG CAAA	60 64
50	SEQ ID NO:3105 SEQUENCE LENGTH:63	

	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03650 SEQUENCE DESCRIPTION:	acid				
5	GATCTACCTG TCTTGTTGCC	ACATGTTTCT	AAACTTTCCA	ATAAATCACC	TTCTACTGAC	60 63
10	SEQ ID NO:3106 SEQUENCE LENGTH:68 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03651	acid				
15	SEQUENCE DESCRIPTION: GATCAGCATC AGGCTGTTAT AAGAGAAA	CAAGTCTGTT	GGTGCTAAAA	AGTAAAANAT	GAAATGTTCA	60 68
20	SEQ ID NO:3107 SEQUENCE LENGTH:58 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03652	acid				
25	SEQUENCE DESCRIPTION: GATCTGTCTG GCTCCNTTGT	TTCTTATTAA	ATAAAATTCT	GTCTTCTATT	GTTTCAAA	58
30	SEQ ID NO:3108 SEQUENCE LENGTH:58 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03653 SEQUENCE DESCRIPTION:	acid				
35	GATCAGCCTT NNTATAATGT	TTTTTAAATC	ATTTCTAAAT	AAAACAGAAA	TACAGAAA	58
	SEQ ID NO:3109 SEQUENCE LENGTH:55 SEQUENCE TYPE:nucleic	acid				
40	TOPOLOGY:linear CLONE:HUMGS03654 SEQUENCE DESCRIPTION:	· · · · · · · · · · · · · · · · · · ·			<b>70.11</b>	
	GATCTAGACT TATATGAATA	AATNAAATTA	CATGCCAAGG	GCCCTAAAAA	GCAAA	55
45	SEQ ID NO:3110 SEQUENCE LENGTH:53 SEQUENCE TYPE:nucleic	acid				
50	TOPOLOGY:linear CLONE:HUMGS03655					

	SEQUENCE DESCRIPTION:					
•	GATCAGGGCC GAGCAGAACC	GCACTCTTCC	CAAATAAAGO	TTCCTCCTTG	AAA	53
5	SEQ ID NO:3111					
	SEQUENCE LENGTH: 55					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03659					
10	SEQUENCE DESCRIPTION:					
	GATCATATTT TTTNATACAG	GTATTTCAAT	TAAAATGTTT	TTGTACATAG	TGAAA	55
	SEQ ID NO:3112					
15	SEQUENCE LENGTH: 76					
75	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03661					
	SEQUENCE DESCRIPTION:	•				
20	GATCCAATCA NTTAAATAAA	CCTGTATGTA	TATGCATATG	TNTACATGCA	TATCCCCTCC	60
	TGCTAAAACT CATAAA					76
	SEQ ID NO:3113					
25	SEQUENCE LENGTH: 451					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03679					
	SEQUENCE DESCRIPTION:					
30	GATCCCTCAG TTTCTTCTTG	ATTTCAGCAT	GTNTCGGGTT	CCTAATTTAT	GGTATGAGTT	60
	AGCAAATTTA ACCATTGTGT					
	GTAGACTGAG AAGAATCCAC	GAGGTGCTAT	CTGGCCAGAT	TTAAGTAGAT	TCTATTTCCT	180
	TGGTTCTCCC TCTCCCTGAG	GACCTCTTAT	TTNATTGTCC	CCTCTTCTAG	GTTAATTCTC	240
35	CTTTGATTTG ACTTTGTTGA	GAAGGAGGTT	GGACAGTAGA	TTAGCAAAGT	TCCAAGTGCA	300
	AAATTACAGT GTGTTAGAGT	${\tt GTGGGGGGAA}$	AATTAGTCTT	ATTTTTCCCT	ACATGGGATA	360
	CAACACTGTG AATTCAATCT			GTTCCTCCTA	AAACATNGTT	420
	GTTTGNTTTT CTTTAACCAA	GGTTTAAGCT	N			451
40	SEQ ID NO:3114					
	SEQUENCE LENGTH: 445					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear		•			
45	CLONE: HUMGS03680					
	SEQUENCE DESCRIPTION:					
	GATCTAAGGA TGACTTGGAC					
	TTGGTCCATT CCAGGACCTT					
50	CCATGGGCAG ACCTGCACTN					
50	AGGAGTCAAA CCACANCAGT	CTTGGATTGG	CTGTGAGCCA	ATTCACCTCA	GTCTCTAATT	240

	GGCNNNGAGT CAGTCTTTCA	TTTACATAGG	GTGTAACCAT	CAAGAAACCT	CTACAGGGTA	300
	CTTAAGCCCC AGAAGATTTT	NCTACCAGGG	CTCTTGAGCN	ACTTGCTCTA	GCCCACTCCC	360
	ACCCTGTGGA ATGTNCTTTC	ANCTTTTGNT	TGGTTTCAAG	TNCCTTGGTG	CTTCCAATAA	420
5	NTNCCACTTC CTTCACCACC	CNAAA				445
	SEQ ID NO:3115			•		
	SEQUENCE LENGTH: 439					
10	SEQUENCE TYPE:nucleic	acid				
70	TOPOLOGY:linear					
	CLONE: HUMGS03681	•				
	SEQUENCE DESCRIPTION:					
	GATCGGCGCC ACTGCTGTCC	TGCTGGCTTC	NNCTGCGCAG	CANGGGGTAC	CAAGTGTTTN	60
15	CCCAGGGAGG CCCCGCGCTG	GGACGCCCCT	TTAAGGGACC	CAGCCTTGAN	ACAGCTGCTG	120
	TAAGGGACAG TACTGAAGAC	TCTGCAGCCC	TCGGNACCCC	ACTCGGAGGG	TGCCCTCTGC	180
	TCAGGCCTCC CTAGCACCTC	CCCCTAACCA	AATTNTCCCT	GGACCCCATT	CTNAGCTCCC	240
	CATCACCATG GGAGGTGGGG	CCTCAATCTA	AGGCCTTCCC	TGTAAGAAGG	GGGTTGTGGC	300
	AAAAGCCACA TTACAAGCTG	CCATCCCCTC	CCCGTTTNAG	TGGACCCTGT	GGCCAGGTGC	360
20	TTTTCCCTAT CCACAGGGGT	GTTTTGTGTG	TGTGCGCGTG	GTGCGGTTTN	AATAAANGTT	420
	TGTACAACTT NTGTTTAAA					439
	SEQ ID NO:3116					
25	SEQUENCE LENGTH: 431					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS03682					
	SEQUENCE DESCRIPTION:					
30	GATCTTGAAG TGCTTTTTAT	ACAGCTCTCT	AATAATTACA	AATATCCGAA	AGTCATTTCT	60
	TGGAACACAA GTGGAGTATG	NNAAATTNNN	TATGAATTTT	TCAGATTATC	TAAGCTTGCA	120
	GGTTTTATAA TTAGAAGATA				•	
	ACTATGTAGC NCATATTACT					
35	CATTGTGGTC TATGAGTTTA					
00	AATGAGTGTG TTTTTCCATG					
	TTCAGNTAGC TTTTTGGTTT					
	TACGTTGCCT N	011000.2101				431
40	SEQ ID NO:3117					
	SEQUENCE LENGTH: 427					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
45	CLONE: HUMGS03683		•			
,,,	SEQUENCE DESCRIPTION:					
	GATCAAAGTA TTATATGCTG	TGTGCTTTTA	AGGTGTTTGT	AAGTACTGAA	AAAGGCAAAA	60
	ATNOTTTCTA CATTGACATT					
	GCTAGAAATA GACTAAAACA					
50	AATCCTTTCT CTATAANCCA					

5	TCTNCCTGTC NAAATCTCTC GCAGGTAGNG CACAGCTTTA TGGGTNGATT TACTTTNTCC AATAGGN	CTGGCTGGTT	TGTATGCTTT	GGTTTTAGGT	GCAATTGTTG	360
10	SEQ ID NO:3118 SEQUENCE LENGTH:423 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03684 SEQUENCE DESCRIPTION:	acid				
	GATCAAAAAT ATTAGAAAAA TAAATAGCAT TTACATTGCA CGTTGGTTAT ATACAAATAT GTATCTNTGG GTTGGGGGGA TGTACTTATT TNCCNTTATT	TTAGGTATTA GTCATTTTAT CGGTCCAGGA GTCATTGCAA	GTCTAGGGAT GNAANNGACT ACCAATACCC GCTTCTTATG	AAAGTATACA TGAGTATACT CATGGATACC GAAACTTTAT	GGCGGATGTN TGGNTTTTNG AAGGGACAAC AGGGAATGAN	180 240 300
20	AATATACATG TTAAGGANGA TGTTAGTATT GTTGATTCAA AAA					
25	SEQ ID NO:3119 SEQUENCE LENGTH:421 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03685	acid				
30	SEQUENCE DESCRIPTION: GATCGAGACC ATCCTGGCCA GCCACGCNTG GTGGCGCACG ACTTGAACCC GGGAGGCAGA	TTGTGGTCCC	AGCTACTCGG	GAGGCTGAGG	CAGTGGAGTC	
35	GGCGACAGAG CAAGATTCTN TTGCTACAAC ATGGNTATAC CACGTACTAT ATGATTGCNC GCAGATTGCC GNTTGCCAGA N	CTCCAAAGCA TTACGTGAAA	TCCTGTTAAG TATCCACANN	TGAAAACAGG GACGNNTCCA	GAGACACAGT TGGNGACCAG	300 360
40	SEQ ID NO:3120 SEQUENCE LENGTH:410 SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear CLONE:HUMGSO3686 SEQUENCE DESCRIPTION: GATCTATGAC TTCTCAAAGC		ATGTCCATAA	AATGCTAGGC	ATTCCTATTT	60
	CCAATATTT NATGGTTGGA TTCTCATCCT CTCTGCACTG TGCCTCTNGA GGAAACTGGT	AATAATGCTT AGGCAGATGC	CANATTTGGA TGCGGGCTGC	ACTGGACCCC AGATGATTTT	ATGAAGGATA TTAGAAGATT	120 180

	TGCCTTGATT CTGACATTTG TATTGACAGC CTGNTTCAGA CATATCTCAN GTTCCAAAGG	TTTNNCTTTN	GTNCGTTTTN	CNTTCTGTCC		
10	SEQ ID NO:3121 SEQUENCE LENGTH:402 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03688	acid				
	SEQUENCE DESCRIPTION: GATCTGAGGA CCCTGTACTG TAATATACTG AGCAGTCCAG					60 120
15	GTGACCTATC ACTGAGCTCA GAATTTGGGT CTGCTCAGAG TTGACAGCAA ACCTTTTTGT ATTTCTATTT AGGANTATAC CATCCATNTT TTNACCAANA	CCAGCTGAGG GCATGATGTG GTTAAGGGGT TTTTNTATAT	TCAATNACAT AAACATGTCT AGGGGAAGAG NGTTTGAAAT	TCTTCCCAAC GGGATAAAAG CANGTGAAGG TTTGGNCTTG	CTGGAGAACA CTTTGTTCTA ATGCAGATTA	180 240 300
20	SEQ ID NO:3122 SEQUENCE LENGTH:409 SEQUENCE TYPE:nucleic					102
25	TOPOLOGY:linear CLONE:HUMGS03689 SEQUENCE DESCRIPTION: GATCAGTTTG ATTCTGTAAT	GAGCACAGCA	CCTAATATTT	TGAGGAGCTC	TGTTTTGAGG	60
30	ACCAATGCTT AAGGTGGACT GTCTGGTTTG GTTTTGTTTT ATTCTAATGT TGAAAAACTG AGTTTGAATC ATAATCTAAA TTCTCCTTTC ACTGGTGTTG	TGTTTTGTTT CACAAATTTT TCATCGTATG	TGTTTTGTTT TATGGGACAA ATAGANGAGG	TGTTTCCAAT AGCCTAGAAA GAAAGTTTTG	AGAATTAAGA AGAGAAATGT GTGCCATAAT	180 240 300
35	TTANGGCTTT CAATAAAAAG SEQ ID NO:3123				INCONCARII	409
40	SEQUENCE LENGTH: 400 SEQUENCE TYPE: nucleic TOPOLOGY: linear CLONE: HUMGS 03690 SEQUENCE DESCRIPTION:	acid				
45	GATCAACATC CACAGCGAGA CCTCTTCTTG AACTGGTGCT GGACAGGAAG ATGGTTGGCG CCTGAACATC TGGGCCCTGA GGTATTCGGC TCTGTGACAG	GTCTGGGCTT ACGTGACCGG TTCTGGGCAT	CATAGCATTC GGCCCAGGCC CCTCATGACC	GCCTACTCCG TATGCCTCCA ATTGGATTCA	TGAAGTCTAG CCGCCAAGTG TCCTGTTACT	180 240
50	TTACTAGTAG CNGNCCATAG TGNACGNTGG GGCTGTTGCC	CCTGCAACCT	TTTGNACTTC			

5	SEQ ID NO:3124 SEQUENCE LENGTH:400 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03691 SEQUENCE DESCRIPTION:	acid				
	GATCCTTCCT ACTTTGCTTC					
10	TCCCTGACAG CTGTGTACTC					
	TTGTCCCAGG GCTGATGNTG					
	CATTCACGGG GNNGGTTAGC					
	TTCCTAAGTT CCCTTCTATA					
	TAAATCTATT CATAAGTCTT				ATGTGATTTT	360
15	GGTCTTCCCC NTCTTTTGCA	CTTTTTGGAA	ATANAGGGTN			400
	SEQ ID NO:3125					
	SEQUENCE LENGTH: 397					
20	SEQUENCE TYPE: nucleic	acid				
20	TOPOLOGY:linear					
	CLONE: HUMGS03693					-
	SEQUENCE DESCRIPTION:					
	GATCCTNAAT TTNAAAATTT	NACACCATCA	TAAATNAACA	AAGGTAGGAA	GGAGTTTGGC	60
25	TTCAATAGCT TACAGTAAAA					
	GTNATGTTAT GAAAAATAAT					
	CTATTTCTT AGTCTAACTA					
	CCTAAGAAAT ATATAGTTAG					
	AAGTACAGAT TTCTTCACCA					
30	ATAGTTTCTG GGTTAAATAA					397
	SEQ ID NO:3126					
	SEQUENCE LENGTH: 392					
35	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03694					
	SEQUENCE DESCRIPTION:	•				
	GATCAAGTAA CATGTTGCAT	GTGGCTTACT	CTGGATATAT	CTAAGCCCNT	CTGCACATCT	60
40	AAACTTAGAT GGAGTTGGTC					
	TTTNTTTAGG AACTGTCAGC					
	TATGGACAGT CAACAATATG					
	AGGTACTCGT ACACTATTTT					
45	NGTNACTNGC TTTTNAAACT					
••	TCAAANTCCC ATTCCCANGT			Idollarddo	nonnt Indoc	392
	SEQ ID NO:3127					

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SEQUENCE LENGTH: 391

	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03695					
5	SEQUENCE DESCRIPTION:					
3	GATCTAAGGA TGACTTGGAC		GCACTGAAGA	GTCTGAACAC	TEGCCTETNA	60
	TTGGTCCATT CCAGGACCTT					
	CCATGGGCCA GACCTGCACT					
	AAGGNGTCAA ACCACAGCAG			•		
10	TGGCTGTGAG TCAGTCTTTC					
	ACTTAAGCCC CAGGATGATT					
	GCCNAGTTNC NCACCTTTGT				11100111110	391
	dominatino noncorritar	COGIDITION	••			331
15	SEQ ID NO:3128					
15	SEQUENCE LENGTH: 389			_		
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	3014				
	CLONE: HUNGS03696		•			
20	SEQUENCE DESCRIPTION:					
•	GATCTCGGCT CACTGCAACC	TCCACCTCCC	GGGTTCAAGC	GATTCTCCTN	CCTCAGCCTC	60
	CTGAGTATCT GGGATTACAG					
	AGTAGAGATG GGTTTTCACC					
25	CACCTGGCCT CAGCCTCCCA					
23	TTGACCCATA CTTAATGTTG					
	TAATTATATG TAAATTAATT			-		
	GCAGCCAGCG TNTGTTTCCA					389
30	SEQ ID NO:3129					
	SEQUENCE LENGTH: 380					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
35	CLONE: HUMGS03697					
	SEQUENCE DESCRIPTION:					
	GATCTCGGCT CACTGCAACC	TCCACCTCCC	GGGTTCAAGC	ATTTCTCCTG	TCTCGGCCTC	60
	CCGAGTAGCT GGGATTACAG	GCGTGAGCAC	CATGCCCAGC	CAGAAGTACT	ATNATTTCTT	120
	ATAACTACAT ATGAATCTAA	AATTATCACA	AAAGGAAACT	TCTTTTAAGA	AAAAGAAAAG	180
40	AATCAGAACA TAAATATACA	GCATGGCAAA	ACTACATCTA	AAACAAGTAT	TATAGGTCTC	240
	ATGGTGGAAA ANTTGGACCC	ACAAGAAAAG	TTGTTAATTA	TCTCTGATAT	TCTGAACCAT	300
	TGNTATCTGC AAAATGATTA	CTAGGTATGT	GCAATGANGG	CTATTGATGT	TACCCTGTAT	360
	ATCTGCACAC TGTGTTCCAN					380
45						
	SEQ ID NO:3130					
	SEQUENCE LENGTH: 352					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
50	CLONE: HUNGS 03698					

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CLONE: HUNGS 03698

	SEQUENCE DESCRIPTION:					
	GATCTGCTAG TGCTGTAATA	TTGTAAATAC	TGGACTCAGG	AACTTTTGTT	AGGAAAAAAT	60
	TGAAAGAACT TAAGTCTCGA	ATGTAATTGG	AATCTTCACC	TCAGAGTGGA	GTNNNNNCTG	120
5	CTATAGCCTA AGCGGCTGTT	TACTGCTTTT	CATTAGCAGT	TGCTCACATG	TCTTTGGGTG	180
•	GGGGNGNGAN GANGAATTGG	CCATCTTAAA	AAGCGGGTAA	AAAACCTGGG	TTAGGGTGTG	240
	TGTTCACCTT CAAAATGTTC					
	TTTTCTACCA TAAGTGACAC					352
	•					
10	SEQ ID NO:3131					
	SEQUENCE LENGTH: 375					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
15	CLONE: HUMGS03699					
7.5	SEQUENCE DESCRIPTION:					
	GATCGTGGGT TGCCGAGAGG	ACCTGAGCGC	TGCGGCTCTG	CTGAATGGAN	CCGGGTCCCT	60
	CAGGCCGTGG ACGCCCTCGG					
	CATTTCCCAC ATCTTCTAGA	GGGCTGCCAG	CTGGGAAGAC	AGTTATNAGG	GCAAGCTGTG	180
20	CTCTGAGTTT CGGGTTCTGC					
	CACGGACAAG GGCCACTGCA	GAGTGTGTTT	CTNCTCGTNA	GCTGCCCTGG	GCANGGAATG	300
	GGCTGGNTNA TGCAGTTGGA	TGCACATCTN	ATTCTGTCAT	GAATGTCCAG	TAAAAAATCT	360
	GAAATTGGTT GCAAA					375
25						
	SEQ ID NO:3132					
	SEQUENCE LENGTH: 369					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
30	CLONE: HUMGS03701					
	SEQUENCE DESCRIPTION:					
	GATCCAACCC AAGGGCAAGG	GCATCCTGGG	AAATACCATC	AAGTGGAACT	TCACCAAGTN	60
	CCTCATNGAC AAGAACGGCT	${\tt GCGTGGTGAA}$	GCGCTACGGA	CCCATGGAGG	AGCCCCTGGT	120
35	GATAGAGAAG NACCTGCCCC	ACTATTTCTA	GCTCCACAAG	TGTGTGGNCC	CGCCCGAGCC	180
	CCTGCCCACG CCCTTGGAGC	CTTCCACCGG	CACTCATNAC	GGCCTGCCTG	CAAACCTGCT	240
	GGTGGGGCAG ACCCGAAAAT	${\tt CCAGCGTGCA}$	CCCCGCCGGA	GGAAGGTCCC	ATGGCCTGCT	300
	GGGNTTGGCT CGGCGCNCCC	ACCCCTGGCT	ACCTTGTGGG	AATAAACAGA	CAAATTAGCC	360
	TGCTGGAAA					369
40					•	
	SEQ ID NO:3133					
	SEQUENCE LENGTH: 367					
	SEQUENCE TYPE: nucleic	acid				
45	TOPOLOGY: linear					
	CLONE: HUMGS03702					
	SEQUENCE DESCRIPTION:					
	GATCTTGGGA AAATTGCGGA					
	GTTTTGTTCA GTGGCTCACT					
50	TTCACATTCA ATGGAGCTGA	ATGTTCAGGA	CCTCTTCCCA	TTGAAGCTAT	AATTTATTTG	180

TTCACATTCA ATGGAGCTGA ATGTTCAGGA CCTCTTCCCA TTGAAGCTAT AATTTATTTG 180

5	GACCAAGGAA GCCCTGAAAT GAATTCAACA ATTAATATTC ATCGCACTTC TTCTGTGGAA 2 GGACTTTGTG AAGGAATTGG TGCTGGATTA GTGGATGTTG CTATCTGGGT TGGTACTTGT 3 TCAGATTACC CAAAAGGAGA TGCTTCTACT GGATGGAATT CAGTTTCTCG CATCATTATT 3 TGAAGAN	300
10	SEQ ID NO:3134 SEQUENCE LENGTH:366 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03703	
15	SEQUENCE DESCRIPTION:  GATCAAGAAA TGCATTGACA TTCTAATTGA GAAAGAATAT TTGGAGCGAG TGGATGGTGA  AAAGGACACC TACAGTTACT TGGCTTAACC CTTCTGGAAG GGTCTGACTG TGTGACCCGC 1:  AGCAAATAGT TCATGTTGGA AAGAATGAAA ACAACTCAAG TTCATAGCAG CCAGCCTGCC 1:  GCCATTGGAC CTCCCTTTTA AAAACTGAGA CCAAGACTCC CATCAGCTGG TCTCGGGTTT 2:  ACATCGGAAC TGCTCAGGAT TGATACATTT NAAGTCTGTA AATACGGACA CCAACGCCAT 3:	80 40
20	TTACCCTAAT TTNANGAACA GCGGGGNCTG TCCNTCCGGT GCCGAGGGGC TTGCATTGCT 36	00 60 66
25	SEQ ID NO:3135 SEQUENCE LENGTH:364 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03704	
30	SEQUENCE DESCRIPTION:	30
35	TAGTCTATTT GCAACTGTTC TTAAAAAANT GNCATTAAAG GACTAGTTTA TGTNGGGAAC 30 CATTAGTGGN TGTTATTNGN CTCCCCCCCT NTNTTTTTGG GGTGTTAGCG CACCTGCTTT 36 GCTN 36	00 10
40	SEQ ID NO:3136 SEQUENCE LENGTH:363 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03705	z
45	SEQUENCE DESCRIPTION:  GATCCTGACC AGCAAGCCCC CCCCAGCCC CCCTTCCAAG TGACTCCGTG NCTTGAGTGT 6 GTCTGCGTGT TTACACCCGT CCCTCTGCTG GCCGCCCCCG TGCGAGCGGC ACCCCTGCCC 12 TGCCCTCCAC AGAATTGGGT TCCAAGGGCT GTTCCAGACA ACTGCCAACG TCACTGAGGG 18 CCCTGCCCCA GCGGNCCTGG CCCCAGGCTC TATTAACCTA AAATGTAGCT CCCTAGCGNT 24	0
50	AACCTAGGAA CCGGCGTTGN CTGCTTGGGG GGTCACGCCC TCATGNCCTT GTTCCCAGGG 300 CCGGGGGCCT TNAAGCGGTT NGAACAATTC NTTGGCTTTT TTTCANANTG TTTAATNGGA 360	0

	ATN					363
5	SEQ ID NO:3137 SEQUENCE LENGTH:359 SEQUENCE TYPE:nucleic	acid				
10	TOPOLOGY:linear CLONE:HUMGS03707 SEQUENCE DESCRIPTION: GATCTGGTGG TCAGCCCTAG	GATAAAAAGC	CAGGGCTGGA	GAACAAGAAA	GGGCCAGGAG	60
15	ATGGAATTCC TTCAGGCCGG AGCCTCATGC AGATAGTAGG AAGGCTATCT GCTTCCNTTA	AAATCAGGTC TGCCCTGACT	TGGAAATTTA GGAGAGGGGA	AAANTAAAAG GGGTGGAGAG	GCATGAGACT GCANGGCCCA	180 240
	CAGTGGGCAT CCCNGCTNGG TTTTGGCACA ANGNTNNTTT					300 359
20	SEQ ID NO:3138 SEQUENCE LENGTH:358 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				÷
25	CLONE: HUMGS03708 SEQUENCE DESCRIPTION: GATCAGGGGA TAGTGAAGTT	TACCA ACTCC	ርጥር አጥር ጥር ኒር	TCAAAACACA	ACATCCCACA	60
	GAATATCAGT ATTCCGGCCA CTCGAATTTA TTTGGAAGGG GGCGACAAGC AACAACAATC	GGCCTCAGAG AAAATAGACT	ACGTGGCATA ATGGTGAATA	TCAATATGTG CATGGATAAA	AAAAAGGGGT AATAATGTGA	120 180
30	AGAAGGAGTA GAAAGGATGA TCATGTATAA TCTTTATGGC	TTCTTCTTTG	GCCATCATTT	GGTACAGTCT	CATTTCCAAG	
35	SEQ ID NO:3139 SEQUENCE LENGTH:356 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03709	acid				
40	SEQUENCE DESCRIPTION: GATCTCAGTC TCTCTGTCTC TGACAAAGTA AGGGCCTTGA GGACAACAAT TAACAATGCA	TTAGGACCAA GTGGCCCATT	ATTCTCGTGT CTTGTCACTC	GTTGCTATGG TACACATATG	TCTTTATTTA ACTATACGGG	180
45	ACATATGTAA TATATAAATA GGAGGCCTTT CTGTTGAGCT CCCCAGCCCT GTTCCANTCA	GAAATGCACC	TGCAGCTGGG	TGCTGCCAGC	AGCTTGCAGG	
	SEQ ID NO:3140 SEQUENCE LENGTH:354					
50	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				

	CLONE: HUMGS03710					
	SEQUENCE DESCRIPTION:					
	GATCTTCAGC ATGTGCGGCC	TCATGCTTAA	GCTGAAGTGG	TGTGCTTGGG	TOGOTGTOTA	60
5	CTGCTCCTTC ATCAGCTTTG					
v	TAGCTTCATG CTGTCCATCT					
	GACGCCCCA TGGTGATACC					
	GGCCTGGGCT TTGGCTGCTA					
	NAGGCCGTCT CGGTGCCCCC					354
10		7100 T 0007171	CAUGUADICC1	ddccciiii	NCIN	334
	SEQ ID NO:3141					
	SEQUENCE LENGTH: 352		•			
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	acra				
15	CLONE: HUNGS03711					
	SEQUENCE DESCRIPTION:					
	GATCTTGATG AGGGCCAACT	TTCCCTCTTC	CACAAGGGAT	TAATCTTAGA	ACTATAGCCA	60
	ATTTATTATA AGTACTATTT					
20	AACTATGAGG TTTAGTAACA					
	TGGGTGAAGA TGTAAGTNAT					
	TAGACCAGGT AGCTCGTCAT					
	TTATTTTCA TGCATTGCAT					352
	TIATITION INCATION	ATTGTACTOR	IIIUIAAIAI	IUUUNAIUIA	AN	302
25	SEQ ID NO:3142					
	SEQUENCE LENGTH: 349					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	acru				
30	CLONE: HUMGS03712					
	SEQUENCE DESCRIPTION:					
	GATCTGACCA CTGTTCTCCA	GCAGGCCTCT	GCTGCAGCTT	TTNCTCTCAG	TGTTCTGGCC	60
	CTCTCCTCTC TTGAAAGTTC					
25	GTCCCCTCCC TGCCTTGGTT	-				
35	TAAAGGAAAA CTGTTTTGTT					
	CCGTTCTTCT CTGCTGCATT					
	TCTGACACTG ATTTTGTNTT					349
		111010101111111	ADDIO L'ALLAGA	O I II O		0.15
40	SEQ ID NO:3143					
	SEQUENCE LENGTH: 348	•				
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
45	CLONE: HUNGS 03713					
70	SEQUENCE DESCRIPTION:					
	GATCTGTTCC AGCTGCAGGT	GAACACCCTA	CGACGTTATA	AACGACACTA	ACAAGTTGCA	60
	GACCAGACCA GGCTTCAATA					
	CATACCTGTG AATGAAAAAG					
50	GAGTAGACTG GACCAGAAAT					

	TTAAAGGAAT GAAGTGTAAA	TGCTTGATGC	ACAGGTNGAT	ATCTACTACA	TTTAAGCCCA	300
	TAAAGACTGT TTAAATATTA					348
5	SEQ ID NO:3144					
	SEQUENCE LENGTH: 348					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
10	CLONE: HUMGS03714					
	SEQUENCE DESCRIPTION:					
	GATCCAGATG CAGAGGCCAG	GATGTGGGCC	CAGCCCTGTG	CCAGGAGGCT	NGCTGGAATA	60
	AAGGGATGGG CAGGCTGGCA					
	TCCTGCCGGC CAGGGGCCAC					
15	GTTCTGCTAT TGTGGTATTC					
	CTGGAACCTA AGACCCTGAA	TTCTTTTCCC	CCCCAAGGGG	AAAATCTATA	TGGAAANCAT	300
	TTATTTTAAA ATACAGGATG	AAGTGAATTA	AAAGATTTTA	AATGCAAA		348
20	SEQ ID NO:3145					
20	SEQUENCE LENGTH: 379					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS03715			•		
25	SEQUENCE DESCRIPTION:					
	GATCACACCT GAGCTTATGC	TAAAAGGTGG	GATGACTCAG	AGCTGGGGCT	GGTCACCAGA	60
	CAGACTGACC ATGTGATTAG					
	GACTGGAGGC TGAGTTTAAT	CATCTGGCCA	GTGCTTTAAT	CAGTACATCA	TGAAACCCTA	180
30	ATAAAAACTC TGGACACTAA	AGCTCAGCAT	AGCTTCCTGG	GTGGTGAAGC	TGTGGCTATG	240
	CCGGCAGGGC AGTGTGCCCT					
	CCCTTCCAGA CCTTTCCCTG	TGTCTTCCTT	${\tt GGCTTGTGGA}$	GCTGATTTGT	ATCCTTTATA	360
	ATAAACCTAA TCATAAGGN					379
35	SEQ ID NO:3146					
	SEQUENCE LENGTH: 371					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
40	CLONE: HUMGS03716					
	SEQUENCE DESCRIPTION:					
	GATCTGACCT GTGACAAGTC					
	AACAAACTGA ATGTACAAAT					
	GATTTAAAAG TTTGTTTTAA					
45	ACACTAATGA ATGTTGAATT					
	TTTCTGCTAT TTTTACCGTA					
	TGCTAACTTC GTTTGTGCGN	TTGANTAAAN	TTGCCGGTAT	ATATNTGGTG	GCCTTGTTTG	360
	TGACACTTTG N					371
50	CEO ID NO CLAS					
	SEQ ID NO:3147					

	SEQUENCE LENGTH: 346					
	SEQUENCE TYPE: nucleio	acid				
_	TOPOLOGY: linear					
5	CLONE: HUMGS03717					
	SEQUENCE DESCRIPTION:					
	GATCACAGGC AAACCCATCA		GGTGGAACAC	GAAGCTGGCA	NNTAAGTGGA	60
	ACATGGATGG GGCGGGAACC					
10	CCGCTGGACT ATNACCTTAA					
	GCCCTTCTTT TCATTGGCAA					
,	TTCCAATACC CTAGAAGAAA					
	CCCTGTAAGG TTTCAATGCA				umudelide	346
				001:001		340
15	SEQ ID NO:3148					
	SEQUENCE LENGTH: 344					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear	2014				
20	CLONE: HUNGS03718	•				
	SEQUENCE DESCRIPTION:			•		
	GATCTNCTGC CGAGTGAATG	GGGAAGTGNT	CCAGAGCGGC	AACACCAAAT	AGATGGTATT	60
	CAAGACAGAG GACCTGATAG					
	NATCCTAACT GGGACCCCCC					
25	GAAGGGGGAT GAAGTCCAGT					
	GTGATGGCTC CTGCACAGGC					
	GCCCAGGGAA AGGCCCANTG					344
30	SEQ ID NO:3149					
	SEQUENCE LENGTH: 341					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
35	CLONE: HUMGS03719					
33	SEQUENCE DESCRIPTION:					
	GATCTTTGAA GTCTATTTAA	ATATTCATTC	CATTACATCT	AGACTCACCN	AGAACTACAT	60
	GTTATGATGT TAAGTTGAAG	TTGAAACATG	ATGTTTTGCA	<b>AATTTAA</b>	GATATGCAAA	120
	TTTATGTAGA GAAAATAAAT					
40	TATATGGATT TGNNTTATAT	TATAAAAGAT	GTTTTGATTT	TGTCTNTNGA	TATTGNCAAA	240
	ATTGTTTGGA TATNCTTATG				TATNTCTNAT	300
	GTTTTGCCAC AGTTAACCCA	TTGTGCTTCT	TTGTAATCAA	N		341
	SEQ ID NO:3150					-
45	SEQUENCE LENGTH: 339					
	SEQUENCE TYPE:nucleic	acid	•			
	TOPOLOGY: linear			•		
	CLONE: HUMGS03720					
50	SEQUENCE DESCRIPTION:					
	GATCTNATCA GTCCTAAGCG	GGTCATGGGG	CAACACGGTT	AGCGGGGAGA	GCACGGGGTA	60

5	GCCGGAGAAG GGCCTCTGGA G ACACAGTCGG GTTGACCCAG G CCCCTCTTGT NTCCCACCCT N CTGTTGTNAT GGGTTTTTTT T AAAAATAAAC ACTTCCTTIN A	GCTGTCTCC NAGATTGGGC CGCGGGGGGG	CTCCANAGCC ATGGGGTGCG NTTGCTTTTT	TCCCTCCGGA GTGTGGGGGG	CAATAAGTCC CATGTNCTGC	180 240
10	SEQ ID NO:3151 SEQUENCE LENGTH:337 SEQUENCE TYPE:nucleic actopology:linear CLONE:HUMGS03721	cid				
15	SEQUENCE DESCRIPTION: GATCCTCTCC CTGGGATAAG CA TGGAACTGCC ACCCAGCCCA GC CTTNGTTTTG TTAAGNNTTT TA	CATGATGGC AATAAAGTA	TCAATTGGTT CGTTTTGCAT	GGTTNCGTTG AATTGCCTTT	TNAGTTGTCT AAATGGTTTG	180
20	TAATATTTGT AACGGTTTTA GO AAAAACAATT TGTAAATACA GO TGTTTTGTGG ATTTGGTTTC CO	NACATTTGT	TAAAAGGCAT			
25	SEQ ID NO:3152 SEQUENCE LENGTH:336 SEQUENCE TYPE:nucleic act TOPOLOGY:linear CLONE:HUMGS03722	cid				
30	SEQUENCE DESCRIPTION: GATCAGAGGC AGACAATGAC GAGCCTGCATCT AATCTNTNAG GC CATTGAGNAC TTGAATGGCC TC GAGCTCAGGA TAGAAACATC AC	CCCTCTTTC GTTTGTNTA	TCTGTGGGTC TGGGCTTGCA	TCATGAACAG AAGGACAAGC	CAGTGGGGAC AGAGTTCACA	180
35	GTACCTGAGG GAATTTTTTT NT ANTTNGTNTA CGTTTGAAAA AA	TTAATCAAC	CCCTTGTGTG			
40	SEQ ID NO:3153 SEQUENCE LENGTH:334 SEQUENCE TYPE:nucleic ac TOPOLOGY:linear CLONE:HUMGS03723 SEQUENCE DESCRIPTION:	cid				
45	GATCTGCATT CCGACTGCCT AT NTTCAACTTG CACTCGGAGC TC CACCCAGACT CACTGGCCAC AC GAAGGCTTT TTTTTCCTTT GC TTGTTTCATT TTGTTTGCTG TC	CCTTTNATA CCTCAGCAG GCCTGGGAA	CCTCAAAGCT GGGGGGAGTC TTTTTCCCAT	GGCTGTNAGG GAGTGTCAGT TTTAATGAAG	TGGCAGCTCA NTCTTTCTGT GGGTTTTAAA	180 240
50	TTGTACAGAA ATATACTGGC CT			CARAICIIUC	VITVICIUAL	334

	SEQ ID NO:3154					
	SEQUENCE LENGTH: 330					
	SEQUENCE TYPE: nucleic	acid				
5	TOPOLOGY:linear	•				
	CLONE: HUNGS03724					
	SEQUENCE DESCRIPTION:					
	GATCAAAATT TGTGTACTTG	CAGGGCTTTC	TTTCTTTTTN	TTCAAATTTA	CAAGGGTTCA	60
	TTTTGGAAAC TACATTTTAA	ACTTTGGAAT	CAAATTGTTT	CTTATTTGGG	AGGATAATGT	120
10	ATATACATTG GTATTATGTT					
	CACAACTGTA TTTTTGNATC	TCANGCTATT	TTCATATGTN	ATGTGTCAAT	GTATCATCTC	240
	TCAGAAAGGT TTTACANTCC	AAACATTATA	TGTNCTCTGT	GTAACTGAAT	TTNACTTATC	300
	TNTTNTAAAC CAGNAACATT					330
15						
	SEQ ID NO:3155					
	SEQUENCE LENGTH: 330					
	SEQUENCE TYPE: nucleic	acid .				
	TOPOLOGY: linear					
20	CLONE: HUMGS03725					
	SEQUENCE DESCRIPTION:					
	GATCTTCGCA AGCCAGCTTC	TTCTGCATCT	NAGGGGCTGC	TGGCGCCCAN	AGGAGGCAGA	60
	CAGATGTCTN NTAGCTGAGT	TTCTAACCGC	ATGATGAGAC	TCAGACCTTC	CGCTGCACTA	120
25	GAAAATCTGC AACAGTGTCC	CTGAGTCACT	TCTCCTTAGT	GGGCAGACTC	GTGTTAGATT	180
	TGTGGAACCC AGCTCTCTGA	TTTACTCCTT	TTGGAAAACC	CATGGAATTT	CATGTATAAG	240
	GCTTTCATTT GTATTTNAAG	GTTTTTCTGT	TTGTTTTGAG	TATATACATG	GTGCTCAATA	300
	GCAACATCTT AGCAGATGAA	GCAGTTTATN				330
30	480 IN NO 0150					
30	SEQ ID NO:3156					
	SEQUENCE LENGTH: 329	.,				
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
35	CLONE: HUMGS03726					
	SEQUENCE DESCRIPTION: GATCTACTGC AAATCCTGCT	1000111011	CT 1 TC CCCC 1	A	CTTATNCCCA	60
	GGGCGCTGNC ACGCTTAACA					
	TCAGCCTNNA CAGGCCTACA					
40	GTGCNGNGAA GTGTTCCAGG					
	CTGGAAAGCC CTGGCACAAA					
	CAACANCTCT GACTGNAAAN		GAIGIGCAAA	GIGIGGAAA	Adiotiumit	329
	CANCANCICI GACIGNAAAN	MUNAUGIUM				023
4E	SEQ ID NO:3157					
45	SEQUENCE LENGTH: 329					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03727					
50	SEQUENCE DESCRIPTION:					

•	GATCGGGCGC ACGGNCCGCT					
	GCACAGCATG ANCATCCTGA GGACACAGAT GATTTGGACG					
5	TGATGCCAGC CCTGGCACTG					
	GACATCACCC CAAGGNCAAC					
•	TGTTTGGCCT TGACAAAATT		ONUMUNOT	noornooron	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	329
	10.1100001	VIIII 00.00.				000
10	SEQ ID NO:3158					
70	SEQUENCE LENGTH: 327					
	SEQUENCE TYPE:nucleic	acid ·				
	TOPOLOGY: linear					
	CLONE: HUMGS03728					
15	SEQUENCE DESCRIPTION:					
	GATCAAATTT ACTNGAACAA					60
	AAAAGTTACC TATTTAATCT	*				-
	AAAAGAGGTC AGGTTTTTAA					
20	TATGAATATG AATAAATGGT					
	TGGAAAAAGC TCTTCCTGTC ATGTNGTNCC TGTTTCCAAT	-	NCATCCATAT	IICAIAACCI	INIUINAAAI	327
	ATTITUTE TOTAL TOTAL	AUGIUAN				JL I
	SEQ ID NO:3159					
25	SEQUENCE LENGTH: 324					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear		.*			
	CLONE: HUMGS03729					
30	SEQUENCE DESCRIPTION:					
	GATCTGAATT TGGACCATTT					60
	AGAGGGAGGG CCCCGGTTCC					
	GGCCAGGCTG CCACAGGGGC					
35	GGTCCTCCTG TTATTTTTCC GGGTGGCAGG AACTTGTATA					
	CTTTTAAATA AAAACGTATA		CAACACTITU	UNACAUNTIA	MANUUUMA	324
	OTTTIMITE ADDIOGENTA	111111				00.
	SEQ ID NO:3160					
40	SEQUENCE LENGTH: 322					
.5	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03730					
45	SEQUENCE DESCRIPTION:	# 1 # W 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			ጥልመጥጠማልልል	
45	GATCTTGGTT TTAATTAACT					
	ATGTTGTTCT GGCTGCTTGT TCTGTCATTT AATTGAGCAG					
	CAGAATCATC TNCTTAGGTT					
	CATTINGTOT CITGAGATTN					
50	GAAANTATAT GCCTCANATT					322

	SEQ ID NO:3161
	SEQUENCE LENGTH: 320
	SEQUENCE TYPE:nucleic acid
5	TOPOLOGY: linear
	CLONE: HUMGS03731
	SEQUENCE DESCRIPTION:
	GATCTGACTT TTTTCCTTCT CAAAAGAATC ATACTTGGGA TTACAGGTAC ATTTNATGTT 60
	ATATNATGGA TAAGTGAAAA NTTTTTAAAG GAGATTTTAT ACCTTTTCAC ATTAAAAAAG 120
10	GTATTTATAT TATNACTTTG TAGTGATTGT CTTAAGAAAA AATATAGCCC AAATGTATAG 180
	TAAAATCAGC AGCTCAAGAA GAATTTCTGC TTCTNTTTGT AGTTGATGCT TTGTTTTTNC 240
	CTGCAGTCAG AAATTCCTTG TATTTGTCAA ATGTATAATC AGCTTGTATT GTTTTTTAAAT 300
	*
	TAAAANAAAA TTTGANTAAA 320
15	SEO ID NO. 2162
	SEQ ID NO: 3162
	SEQUENCE LENGTH: 320
	SEQUENCE TYPE:nucleic acid
20	TOPOLOGY: linear
	CLONE: HUMGS03732
	SEQUENCE DESCRIPTION:
	GATCTGAAAA NAAACCTTAA TACGCTCATA TGGTTGGAGT GTTAAGTGAA CCTNTGATTT 60
	TTTNAGGGTT TTTNTACGTG TAGGCGTGAA TAGGGGGCAC CCCTTCAAAA CTGTACAAAG 120
25	AAGACGACTG TTTTCCATTT CCATTTAAAC ATTTTTAGCC ACTTCATTTC TATTTATTGA 180
	ACAGGTCAAA TTTGTNTTGT TATTTGTGAG TACAGTACAT TTAAAAAACA TCCTTATCGG 240
	TTATTTTTT TTCAGTCGGA GTTTGACGTA TAAATNGTTT ATGCTTTTGG TGTAATCTCT 300
	TAATAAACTG GTTCTTCAAA 320
30	
	SEQ ID NO:3163
	SEQUENCE LENGTH: 180
	SEQUENCE TYPE:nucleic acid
	TOPOLOGY: linear
35	CLONE: HUMGS03733
	SEQUENCE DESCRIPTION:
	GATCAGCTAG CTTGATTCTT GTGTACTTTT TTNAAACTGT GGGTTTTCCT AGTAAATTTA 60
	ATTTACAGAA ATNAATGGTA GCATTTAGTA ATCTACAAAG GAAATATCAA AGTNTTTTNN 120
40	AAGCCTGTNA TATTCAGTGT GTGCCACAGG ATTGAAATAA ATGACAATGT AATTATGAAA 180
	SEQ ID NO:3164
	SEQUENCE LENGTH: 303
	SEQUENCE TYPE:nucleic acid
45	TOPOLOGY: linear
	CLONE: HUMGS03734
	SEQUENCE DESCRIPTION:
	GATCAGAATT CCGATTTGAC GGGCAACCAA TCAATGAAAC AGACACACT GCACAGTTGG 60
	AAATGGAGGA TGAAGATACA ATTGATGTGT TCCAACAGCA GACGGGAGGT GTCTACTGAA 120

	AAGGGAACCT GCTTCTTTAC	TCCAGAACTC	TGTTCTTTAA	AGACCAAGAT	TACATTCTCA	180
	ATTAGAAAAC TGCAATTTGG	TTCCACCACA	TCCTGACTAC	TACCGTATAG	TTTTCTCTAT	240
	TCTTTCATTT CCCCCTTCCC	CATTCCTTTA	TTGTACATAA	AGTAACTGGT	ATATGTGCAC	300
5	AAA					303
	SEQ ID NO:3165					
	SEQUENCE LENGTH: 311					
10	SEQUENCE TYPE:nucleic	acid			-	
10	TOPOLOGY:linear					
	CLONE: HUNGS03736					
	SEQUENCE DESCRIPTION:					
	GATCTAGAGC CAGGCTGGTC					
15	CCATCATGTG CTGTCCCCAC					
	GTGCAAGTAT ATAGGAGTAA					
	TGTATGACAT CTAGTATGAA					
	CTGAGGACGG TAAACACTGA	GAGTAACCTG	GTGCTTGGTT	TGAAGTAAAA	CACAAATACT	300
20	TCCCTTTTAA A					311
20					,	
	SEQ ID NO:3166					
	SEQUENCE LENGTH: 309					
	SEQUENCE TYPE:nucleic	acid				
25	TOPOLOGY: linear					
	CLONE: HUMGS03737					
	SEQUENCE DESCRIPTION:					
•	GATCAAGGGC AATGCCAATG					60
30	AAAAGCCCCA CAAGAGAAAA					
	CAGGGGGCAG AATTCACTTC					
	GCTTCTGTGA CGTCAAAGAC					
	CAGGGGCCAG CGGGTCTGGG AGCGAAAAN	GICIAIGIGA	GUATGTGGAA	GAGACAGCAG	CAGAAGTGGG	
	AUCUAAAAN					309
35	SEQ ID NO:3167					
	SEQUENCE LENGTH: 309	•				
	SEQUENCE TYPE:nucleic	anid				
	TOPOLOGY: linear	acru				
40	CLONE: HUNGS03738					
	SEQUENCE DESCRIPTION:					
	GATCTTGATA TGTTTTAACA	TTATCATGGC	AGGGAAATAT	ATAAAGAAGA	<b>A</b> A A A T A T T T T	60
	NACATTAAAC CTTTTCTAAA					
45	AACACTTATC GTTATGTATT					
45	AGTTAAATGT TGCCACTGCT					
	TTTTGGCAGT TTTNATATAC					
	ACCTTTAAA					309
50	SEQ ID NO:3168					

5	SEQUENCE LENGTH:306 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03739	
	SEQUENCE DESCRIPTION:	٥.
	GATCCTTTAC AGAAAAAGTT TTCTGACCTC AATTCTAAAG TAATTGTAGT AGGGAGCTGG AGGACTTTCT TTCCCTTTAT GGTAATTTTT TGAGCTACAA AAGAGCCTTG CAGAAATGGG	60
	TGAAGGGATT AANCTITTAA AAATAAATGC TATATATTAG GAAAATAAAA AATATTTTAG	
10	AGCCAAGTTA ACAAGTACTT CAGCAAAACA TGCTAGTTTT ATGCAGGGGA TTCTGTATTC	
	CAAATGGATA CANTCCGACA TATATAAAAG AATCAGATTC TTAACTATTG ACTCTTATTT	
•	NGCAAN	306
15	SEQ ID NO:3169	
_	SEQUENCE LENGTH: 306	
•	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY:linear	
20	CLONE:HUMGS03740	
20	SEQUENCE DESCRIPTION:	
	GATCATACCC AGAATTCAAT GTTTGATATT TTAAGAATGT ATGTTCTAGT GTTTTTNAGA	60
•	GTGAGTCTAC CATCTGTATA AAAACACCTT GGGGGCAGGC AGGGGCATTT AAAAATGTAG GACCTATCGT CCAGACTCAC AGAGTGGGGC TCCAGAATCT CCATTTTTAA CAAACTCTCT	
	TAAGTAATTC TGATGTGTAC CAAAATCAGT GCCATTGGTG TGTGTGTACG TAACTATATA	
25	CATATGTGTG TGTGTGTATA TATATAATGT GTCATAACCG TAAACAATAA ACAATATCAA	
	GNTAAA	306
	SEQ ID NO:3170	
30	SEQUENCE LENGTH: 306	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY:linear	
	CLONE: HUMGS03741	
35	SEQUENCE DESCRIPTION:	
	GATCTGTCAT GTTTAAACCC CCTACTTCTA AGGGAACTTC TCTAATCTCT TATCCTCATC	60
	CCCAAATAGT GTTTTCTTCC TCTGGGTTCT TATAATNTTG GTATCAATCT CACAGCATTT AGTGCTTCCT GCCTGGTGTG ACAGTTACCT GTGTGCATGT GCAATTTCTA ATTTCCCACG	
	CTAGACTGTG AGCTTCCTAA GGCAAGAATC ATGCCTTGTT GGTTTCTGTA TTCCTCATGG	
40	TGCCAAACAC AGTGCCTTCT ACATTGCAGG CGCTGAATAA ACATTTTTAA AGCAAAAAAA	
	TTNAAA	306
	SEQ ID NO:3171	
45	SEQUENCE LENGTH: 305	
-	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUNGS03742	
	SEQUENCE DESCRIPTION:	
50	GATCTCCAGT GGTCAAAAGA CATTTACCCT TAATATCAGA CAACATTTAT ATTTTAGTGA	60

5	AGAAACAAGT TCTCGGGTGG GGAATCTATG TTTCACTCAG ATTTATATGT TTGGAGGAAA 1 AAAGCCTTTT TTTGTAAAAT ATTTAAATTT ATATANGAAA ATGTTAGAAA AAAATATGGG 1 GGAGTGTATT ATAAANCCTG CTTTATTTGC CATGGGGCCN GGGGGAGGCC NGGCCTAATA 2 CTCCTAAAGT ANGTGTTNGG GNCCNTNTTT TCTTCCAATC CACCTGGTGC TGTTCCNTGT 3 AANGN 3	80 40
10	SEQ ID NO:3172 SEQUENCE LENGTH:303 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03743	
15	SEQUENCE DESCRIPTION:	
20	TTNATACTTC ACTITICTCT ACAGTGTTGT TTTGTTGTTG TTGGTTTTNA TTTTTNATAC 2- TTTGGCCATA CCACAGAGCT AGATTGCCCA GGTCTGGGCT GAATAAAACA AGGNTTTTCT 30	40
25	SEQ ID NO:3173 SEQUENCE LENGTH:306 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03744	
30	SEQUENCE DESCRIPTION:  GATCACTITT GAGCTCTGAA GCTTTGAATC ATTCAGTGGT GGAGATGGCC TTCTGGTAAC 6  TGAATATTAC CTTCTGTAGG AAAAGGTGGA AAATAAGCAT CTAGAAGGTT GTTGTGAATG 12  ACTCTGTGCT GGCAAAAATG CTTGAAACCT CTATATTTCT TTCGTTCATA AGAGGTAAAG 18  GTCAAATTTT TCAACAAAAG TCTTTTAATA ACAAAAGCAT GCAGTTCTCT GTGAAATCTC 24	80
35	AAATATTGTT GTAATAGTCT GTTTCAATCT TAAAANGAAT CAGTAAAAGC AAACAAGGGG 30	
40	SEQ ID NO:3174 SEQUENCE LENGTH:301 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03745 SEQUENCE DESCRIPTION:	
45	GATCAGCAAA CACGATAGAG GAGACCAGTC AGTACTTCTT GGAGGGGGCN GGAGGAGAGA 6 GGAAAAGGGA GGGCGAGAAT NACCACACAA CACAGCCNTT NGACCATGAG CAGAAGCGTC 12 CGTGGGAACT CCACTGGGGT NGATGGGCTG CCTGCACAGC CCCTGGAGAG GGGGCCAGGC 18 ACACCCTCAG AGGAGCTGCA ACCCGTGGCC TGGCCTGCTA CATGCCCTGC TTCCACGTGG 24 NTGCCACGGT GACACANCCA CATTNACCAA TCCCNNCCGG GTCCTGGGGA CGNAGNCACG 30	80 40
50	N*	01

	SEQ ID NO:3175 SEQUENCE LENGTH:299		
	SEQUENCE TYPE: nucleic acid		
5	TOPOLOGY:linear		
	CLONE: HUMGS03746		
	SEQUENCE DESCRIPTION:		
	GATCAAAGTT GTCATGAATA CTGACTTGGG CG		
10	CATCTACAGT GCGCTGTATG TGGAGCTGGT GG		
10	AACTGTGCAA AGTGAGCTCT TTCGCTCCCG AC		
	NTTCTCCGCC CGGGCTGGCT GAAGCAACCT AC		
	CTGGGGCCCT TCCGAACCTT GTGCCAACTA AG	GGCCCCCA NTGTAAGCCC CCGTA	ACCTN 299
15	SEQ ID NO:3176		
	SEQUENCE LENGTH: 298		
	SEQUENCE TYPE:nucleic acid		
	TOPOLOGY: linear		
	CLONE: HUNGS03747		
20	SEQUENCE DESCRIPTION:		
	GATCTGAATT ACTACAGAAA AATAATTATG TT		
	GTTGTAGGCA TATATTTTAT AAGAGTATTA TAG		
	AATNACACAA TNATCTGTGT AATGTTTTAG TCC		
25	CTAAAGTTAT CTGGAATTGT CATGCTGCCT CAA		
	TAGAAATGTA TAAAGACGTA GCAGTCATTT TG	TTGTTTCT AAATAGATAA CATAT	'AAA 298
	SEQ ID NO:3177		
	SEQUENCE LENGTH: 297		
30	SEQUENCE TYPE: nucleic acid		
	TOPOLOGY:linear		
	CLONE: HUMGS03748	•	
	SEQUENCE DESCRIPTION:		
35	GATCAGAGTA TGGGTTCTCC ATGTAGCAAT ACT		
	TGGCAAAAAA CAACACAGTC TACTCTTTCT GC1		
	TATGAAGGTA AAGGGAGGAC AGCTTGCTTC TTT		
	AANCACACTC ATAAGTAAGT TTGGCAAGTT GTT		
40	TTCTGTTAGA TGTTGTNATA TTTTAANAGT TTA	AATTTANA ANNTTTNATT TNGTC	CN 297
40	SEO ID NO. 2170		
	SEQ ID NO: 3178		
•	SEQUENCE LENGTH: 297		
	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear		
45	CLONE: HUMGS03749		
	SEQUENCE DESCRIPTION:		
	GATCTNATTA CCTTCACGGA AGGAAGCGGA CGC	የዋርአርርአር ሮርዋኔቸርርርና በመርሰመ	ጥር የነው የ
	GTGGGGGAGT CATGGCCCCA NNACCAGCCG TGG		
50	GTGCCCACGT GCCTCAGGGC CTTGGTAGAA ATN		
	GOLLOWARD CLINGWAY VIN	occensa ivanananiac CICCI	CCC1M 180

	GAGAATACTG TNGACCTGCA					240
	GTACAAGNCC TACCTGCAGG	ACTTGGTGGA	GGGNATGGAT	TTCCAGGGNC	CTGGGTN	297
5	SEQ ID NO:3179					
	SEQUENCE LENGTH: 295					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear				•	
	CLONE: HUMGS03750					
10	SEQUENCE DESCRIPTION:					
	GATCATCACA TTTCGTGAAT	TGAGGCCATG	TTCAGGTGCT	AAGGAAGTAT	GCCTTTNACA	60
	CAGAAGATTG AGAAAATTTC	CTAGATATAA	ATACAGATAA	ATCAGACGTT	ACAGTGGTGA	120
	CGTAGTAACC ATCATGGCAA	TGGAAAGNAG	TCCAATTCAT	AGCCTAAAAC	TTCAAATGTA	180
15	TTCTTAGGAG TCAGATTTTA	CTGAATATTT	TACCCACAAT	AGCTGCCTAT	TTTGTTATAA	240
	TAAAATATAT ATAANTNTAT	NTCTNNNCCT	TCCTTTAANC	TGTAAAANNA	NNNAN	295
	SEQ ID NO:3180					
	SEQUENCE LENGTH: 295					
20	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS03751					
	SEQUENCE DESCRIPTION:					
25	GATCCCAGCA CTACTTTTTA	TTACTGGAGA	AATGGGGGGG	ATAGAAAATT	CTACTTTGAA	60
	TTATTTAGTT TTTTTTAAAG	AGTGGGTTGT	GTTTGTNCTT	CTCCCACCTT	TCAGCATTTA	120
	TAGAACATGC TGCCCCACAT	ACAAAGTCAA	GACCACTTAC	${\tt TTTTATGTGA}$	CACTAGTAGT	180
	TTGGGGTTAA TGTTTTGTGT	AAGANCAGCT	GCATATGAGT	AAAGTTACCC	CAACCACAGT	240
	GAGGAGGAAG ATGTTCACAT	ACTGGAACTG	TCCTGCCAAA	TAAATTTTGC	CCCTN	295
30						
	SEQ ID NO:3181					
	SEQUENCE LENGTH: 294					
	SEQUENCE TYPE:nucleic	acid				
35	TOPOLOGY: linear					
	CLONE: HUMGS03752					
	SEQUENCE DESCRIPTION:	maam.am	**************************************	##CC#C+-C+		60
	GATCAGTTAA TGCCTAAGAG			-		
40	CAACTGCATT ATGTATTATG					
	CTATGAGGTA CCTTGCTGTG TTTGGCTTCA NGTTTCATGA					
	ATATAGCCTT TGCTAAAGAG					294
	ATATAGCCTT TGCTAAAGAG	CAACINAIAN	MITANOCCIA	TICIMICIOI	UAAA	234
45	SEQ ID NO:3182	•				
	SEQUENCE LENGTH: 293	*****				
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS03753					
50	SEQUENCE DESCRIPTION:					

	GATCCGTGCT GGAAACTCGC AGGGGGACTT TTACATTAGG CAAATCAACA ACGTCAGCGC 60
	CATGCTGGTC CTCGCCCGGC CGGTGACGTG CCCCCGGGAG TACGTGCTGG ACCTGGAGAT 120
	GGTCACCATG AATTCCCTCA TNAGCTACCG GGCCAGCTCT GTACTGAGGC TCACCGTCTT 180
5	TGTAGGGGCC TACACCTTCT GAGGAGCAGG AGGGAGCCAC CCTCCNTGCA GCTACCCTAG 240
	CTGAGGAGCC TGTTGTGAGG GNCAGAATGA GAANGGCAAT AAAGGGNGAA AGN 293
	SEQ FD NO:3183
10	SEQUENCE LENGTH: 293
,,,	SEQUENCE TYPE: nucleic acid
	TOPOLOGY: linear
	CLONE: HUNGS03754
	SEQUENCE DESCRIPTION:
15	GATCTGTGGA CTTTNATTTT TTTAAGAGAC TTACTCAATT TNATGACTGT ACTACCTGAA 60
	ACAAAGTGAG AAAGGACAGG TGTATTTTTC TAAGTNATCA AGATAAATCC TTAANAATTC 120
	AGTCTAAATN AGCAACCAGG AAGGAAAAAT ATATTAAAAA CAACAAAAAA GTGGCACATG 180
	TCCAGGCAGT GTGAGGATTT GCTGTATATA AGTTGCCTGC TTTGTATTNT TNAAATCTCT 240
20	GCATCACTCA TTGGAAGTGC TTCTNAAGAG AGCTGCTCTG TGTTCAGTTG AAA 293
20	
	SEQ ID NO:3184
	SEQUENCE LENGTH: 395
	SEQUENCE TYPE: nucleic acid
25	TOPOLOGY:linear
	CLONE: HUMGS03755
	SEQUENCE DESCRIPTION:
	GATCAAGATG ACCAAGATGT ATAAAGGGTT CCAAGCCTTA GGGGATGCCG CTGACATCCG 60
30	GTTCGTNTAC ACCCCCGCCA TGGAGAGTGT CTGCGGATAC TTCCACAGGT CCCACANNCC 120
	GCAGCGAGGA GTTTNTCATT GCTGGAAAAC TGCAGGATGG ACTCTTGCAC ATCACTACCT 180
	GCAGTTTTNT GGCTCCCTGG AACAGCCTGA GCTTAGCTCA GCGCCGGGGC TTCACCAAGA 240
	CCTACACTGT TGGCTGTGAG GAATGCACAG TGTTTCCCTG TTTATCCATT CCCTGCAAAC 300
	TGCAGAGTGG CACTCATTGC TTGTGGACGG ACCAGCTCCT CCAAGGCTCT GAAAAGGGNT 360
35	TCCAGTCCCG TCAACTTGCC TGCCTGCCTN GGGGN 395
	SEQ ID NO:3185
	SEQUENCE LENGTH: 290
	SEQUENCE TYPE: nucleic acid
40	TOPOLOGY:linear
	CLONE: HUMGS03756
	SEQUENCE DESCRIPTION:
	GATCAGCACT TNANTCGGAA AGTTGGAACC TCTGACAAGA CCAAGTACTA CCTTCAAGGT 60
45	AATCCGTGGC TTCCCACAAA GTTCCACATT TAACTTCCTC CAAGGAAGGG GATTAAAATT 120
	TNAAACTAAC TCCCTTCAGT TGAAATCTCG GACCACTNNN NAAAACAAAA ACCATGGTCT 180
	AATTNTTTNC TTTGTTATGA ATTTNTTGAC AGTGGATTGA GCGATACGTG TCAGANCTAN 240
	GCATTTCACT GTAGGCAAAT TGTGTCTTAG TTATCANGTA AATGTACAAA 290
50	
JU	SEO ID NO. 2196

55

SEQ ID NO:3186

	SEQUENCE LENGTH: 288	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
5	CLONE: HUMGS03757	
	SEQUENCE DESCRIPTION:	_
	GATCCAGATG ACTGAATTTC AGATAGCATT TTTATGATTC CCAACTCATT GAAGGTCTTA 6 TTTATATAAT TTTTTCCAAG CCAAGGAGAC CATTGGCCAT CCAGGAAATT TGGTACAGCT 12	
	GAAATATAGG CAGGATGTTC AACATCAGTT TACTTGCAGC TGGAAGCATT TGTTTTTGAA 18	
10	GTTGTACATA GTAATAATAT GTCATTGTAC ATGTTGAAAG GTTTCTATGG TACTAAAAGT 24	
	TTGTTTTATT TTATCAAACA TTAAGCTTTT TTAAGAAAAT AATTGGGN 28	
	SEQ ID NO:3187	
	SEQUENCE LENGTH: 288	
15	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS03758	
	SEQUENCE DESCRIPTION:	
20	GATCCCCAAA AAGTGAATAT CAATGGAGGA GCTGTTTCTN TGGGACATCC AATTGGAATG 60	)
	TCTGGAGCCA GGATTNTTGG TCATTTNACT CATGCCTTGA AGCAAGGAGA ATACGGTCTT 120	)
	GCCAGTATTT GCAATGGAGG AGGAGGTGCT TCTNCCATGC TAATTCAGAA GCTGTAGACA 180	
	ACCTCTGCTA TTTAAGGAGA CAACCCTATG TGACCAGAAG GCCTGCTGTA ATCAGTGTGA 240	
25	CTACTGTGGG TCAGCTTATA TTCAGATAAG CTGGTTTCAT TTTTNATN 288	Ì
	SEQ ID NO:3188	
	SEQUENCE LENGTH: 285	
	SEQUENCE TYPE:nucleic acid	
30	TOPOLOGY: linear	
	CLONE: HUMGS03759	
	SEQUENCE DESCRIPTION:	
	GATCAGCAGC TGTGGAAATA AAGCTTGTNA GCCCTCTGCT GGCCACAGTA NAGGAAAGTA 60	
35	GCACAAATAG GATACAGTTG TATGTAGTCA TTGGCAACAA TTGCATACAA TTTTACTACC 120	
	AAGAGAAGGT ATAGTATGGA AAGTCCAAAT NACTTCCTTG ATTGGATGTT AACAGCTGAC 180	
	TGGTGTGAGA CTTGAGGTTT CATCTAGTCC TTCAAAACTA TATGGTTGCC TAGATTCTCT 240	
	CTGGAAACTG ACTTTGTCAA ATAAATAGCA GATTGTAGTG TCAAA 285	
40	SEQ ID NO:3189	
	SEQUENCE LENGTH: 284	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY:linear	
45	CLONE: HUNGS03760	
	SEQUENCE DESCRIPTION:	
	GATCTCACCA TTATGACATC CATCCCCCTA GCTCACCACA TAGCACATAG AATGATATTT 60	
	TTAATTTGTA AGAGGCCATC CAGGTACTAA GGNCCCAAGG CATACAGATT CACAAAATNA 120	
50	ACTAATCTTT TTGCCTCAGA ATACCAAAAC ANCAAAANTA TAAAGCTGTA TTTGGACANC 180	
50	TANAAAACAC CAAACTATCT CATTGCAATT NGTATTGTAG CAGATGTTCA GCAACTATCC 240	

	TAATCANTGT TATTGTGTTC	CANTTTAACT	GGGTTAAATG	TTTN		284
5	SEQ ID NO:3190					
	SEQUENCE LENGTH: 282					
	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE: HUMGS03761					
10	SEQUENCE DESCRIPTION:					
	GATCTCGACT CCCCCCTGGC	CACAGACCCC	CAGGTCATTG	TGTTCACTGT	<b>∆</b> CTCTGTGGG	60
	CAAGGATGGG TCCAGAAGAC					
	GAAGCCAAAG AGACTGGGCC					
15	CAAGCTCCTC CCTTGAGAAT					
	TTGTGACAAA ATGTTGNTAA	ATGGGATATT	AAATAGAATA	AA		282
	SEQ ID NO:3191					
	SEQUENCE LENGTH: 279				•	
20	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03762			·		
	SEQUENCE DESCRIPTION: GATCTGGAGA AGTAAGATGG	CCAAATAAAA	CCCTCTLCCL	<u>አጥሮ አጥሮ</u> ሮጥሮድ	CC1C1CC11C	
25	ACCAAATTTA AGAACTATCT					60
	AACAAGGATA AAGAAGTATC					
	GTTTTAAAGA TGACAAAATA					
	TAAAGTTTCA TCACTAGTTT					279
30						
	SEQ ID NO:3192					
	SEQUENCE LENGTH: 277					
	SEQUENCE TYPE:nucleic	acid				
35	TOPOLOGY:linear	,				
	CLONE: HUMGS03763					
	SEQUENCE DESCRIPTION:					
	GATCTGCTCA AATGCACCAA					60
40	ATCGTCATCT GAAGGACAGA AACAATTATG GGATGTCATC					
-	TTGTNATTAT ACTTTAAATA					
	TATCTTTTC CTTCAGTAAA			AIGIIGGIAI	ATTITIONATO	277
	SEQ ID NO:3193					
45	SEQUENCE LENGTH: 277				•	
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03764					
50	SEQUENCE DESCRIPTION:					
	GATCACAGGG AGCCTGTGTT	TGTTGGAGGT	GTTCCAGAAT	CTNTACTGAC	ACCACGCTTG	60

	GCCCCCAGCA AACCNTTCAC	AGGCTGCATA	CGCCACTTTG	TGATTGATGG	ACACCCAGTG	120
	AGCTTCAGTA AAGCAGCCCT	GNTANGCGGC	GCCGTANGCA	TCAACTCCTG	TCCAGCAGCC	180
	TGACATGACA NAGCACAGCT	GCCCAANTAC	AAAGTTCTTT	AGNGCAATGN	AAGNAACACA	240
5	AAAGCCAGNC CAGGAGGCNC	CAGTTNCTTA	TTCCTTN			277
	SEQ ID NO:3194					
	SEQUENCE LENGTH: 272					
10	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear		•			
	CLONE: HUMGS03765					
	SEQUENCE DESCRIPTION:					
	GATCACAGAA GCCACTGCAC					
15	AATTAAATAA ATTATTATAA	CCTTTCAGAA	ATGCTGTGTG	CATTINNATG	TTCTTTTTTT	120
	TAGCATTACT GTCACTCTCC					
	AAATACATAA CCTCATTCTG			CTATAACTGT	GCTTGGTTTC	
	AAANGCAAAN TTAANCAAAA	ATCTCAGTCA	AA	•		272
20	are to be ever					
	SEQ ID NO:3195					
	SEQUENCE LENGTH: 272	. ,	•			
	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
25	CLONE: HUMGS03766					
23	SEQUENCE DESCRIPTION:					
	GATCTCCTGC TGGTCAGTGG	GGCGGCGGCA	CCACTACCGT	GGCCTGGTAC	CAGGTGAGCC	60
	CGCTGGCCGC CCGCCTGCTC					
	ACTACTGCGT ATGGCGGGAC					
30	TGCCCGGCCC ACCAGGGANT					
	GGCCGTNANG TTTTAATGAC			0.1111.11101111		272
			<b>U.</b> .			
	SEQ ID NO:3196					
35	SEQUENCE LENGTH: 269					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03767					
	SEQUENCE DESCRIPTION:					
40	GATCCCATCT NTTTTCCCTT	CTTTCCTCCT	GGTTCCGGTC	AGTTCAGAGG	ATTTAACAAT	60
	CACAAGTGTC CTGCAAAAAT	GCCTGAACAT	TATTCTTAGG	CCCTCGTGGA	TTTTTTTTT	120
	CAGAAAACTT AAACAAAAA					
	GCACTATGTT TGNGANCATT		ANGTTCACAC	GTGGCATCAG	CCCATGCAAG	240
45 .	ATAGGTTTCT GTATTNNTAT	ATNANNNTN				269
	000 ID NO 0100					
	SEQ ID NO:3197					
	SEQUENCE LENGTH: 269	,			•	
50	SEQUENCE TYPE: nucleic	aclo				

5	CLONE:HUMGS03768 SEQUENCE DESCRIPTION: GATCCAGCGA GGGGTCCAGG AATNAGCTCT CCTCCAGCTT ACAAGGAGAG GGTCTGCTTG GAGTGCAGGG TGGGGGCAAG AGGACAAAAT AAACAGTATT	TGGCTTTGGG AGAAATGCCA ACTGGGCTGT	AAGCCAGACT GATGCTTGGT	CCAGGGACTG CCCCAGGAAC	AAAAGNAGCA TAAGGCGACA	120 180
10	noononaan labloidinii					203
	SEQ ID NO:3198					
	SEQUENCE LENGTH: 267					
	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
15	CLONE: HUMGS03769					
	SEQUENCE DESCRIPTION:					
	GATCCCCTGG AGCCCAGGAG	GNAGGTGTGT	NAGCTCAATC-	CGGACTGTAN	CGAGTTGGCT	60
	GACCACATCG GCTTTNAGNA	GGCCTATCGG	CGCTTCTACG	GCCCGGTCTA	GGGTGTCGCT	120
20	CTGCTGGCCT GGCCGGCAAC					
20	CCCTTGCCCT TGCCCTGACC	TCCCAGCCCT	ATGGATGTGG	GGTCCCCATN	ATCCCAGCTG	240
	CTCCCAAATA AACTCCAGAA	GAGGAAA				267
	SEQ ID NO:3199					
25	SEQUENCE LENGTH: 266				,	
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS03770					
30	SEQUENCE DESCRIPTION:					
•	GATCTGAACC TGTCATTTGA					60
	TGTGGAGACT TTTCTTCCCC					
	GACATCAATN AGGTTCTCTT					
35	ATAAAATAAA ACTGGCCTGA AATAAAAGAA TTCTTTCTTT		CCATTITAAA	AAAIIGGGCI	GICAIGIGG	266
	MITAMANA TICTITCITI	CCIAAA				200
	SEQ ID NO:3200					
	SEQUENCE LENGTH: 265					
40	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03771					
	SEQUENCE DESCRIPTION:	*************			4 M O 4 M M M O 4 M	-
45	GATCTGACTT GGGGAAAGGG					
45	GTACATACCA CACTCCTTGG CCACATTCCT GCACAACTCA					
	AAATTTTTTG TCCCTACATA					
	TAAAAATCCA TTTTGTGAAA		GIGGOVOIGN	UMMOOM I UI	NI UNCONONA	265
50	<b></b>					
	SEQ ID NO: 3201					

	SEQUENCE LENGTH: 262					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
5	CLONE: HUMGS03772					
ŭ	SEQUENCE DESCRIPTION:					
	GATCTCAGCT CACTGCAACC	ተሮተርርርተርርተ	CCCTTCAACC	C 4 TT 4 TCC TC	CCTC+CCCTC	-
						60
	CTGAGTAGCT GGGATTACAG					
10	GTAGAGACAG GGTTTTACCA					
	CCACCCACCT TTGGGCCTNC		GGATTATAGG	CATGGANCCA	CCGTGNCTGG	240
	NCANAGATGT AAGTNTAAAT	TN				262
	SEQ ID NO: 3202	-				
15	SEQUENCE LENGTH: 260					
•	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS03773					
	SEQUENCE DESCRIPTION:					
20	GATCCACCTG CCTCGGCCTC	CCAAAGTGCT	GGGATTACAG	GCGTGAGCAC	CATGCCCANC	60
	CACCTTTTCT ATNTTTAGAT	ACATAAACAC	TCACCACTGT	GTCACAGTCA	CCTACAGTAT	120
	TCAGTACAGT AGCATATGCT					
	AGCCTAGGTG TGTACACCAT	CTAGGTTTTT	CTAACTACAC	TCTATGGNGT	TCACACAATA	240
25	AAATTGCCCA NCGACGCAAA					260
	SEQ ID NO:3203					
	SEQUENCE LENGTH: 225					
	SEQUENCE TYPE: nucleic	acid				
30	TOPOLOGY: linear	4014				
	CLONE: HUMGS03774					
	SEQUENCE DESCRIPTION:					
	GATCCCAGCT TATGGCCTTG	ACCCAGCCGT	CCTCACAGAT	GCCGGGTGAC	CCTCTAGCTC	60
35	TCTCTGCATC TCCCACCCCC					
33	AGCCCAGAGC CTTGTGGCTT					
	TAATAGTCAG TAACNNAATA				IUNIUUIIUN	225
	IMINUTUMU IMMUMINTIN	AAUUAACUII	IUIIAAAAIA	ICAAA		423
	SEQ ID NO:3204					
40	SEQUENCE LENGTH: 216					
	SEQUENCE TYPE:nucleic					
	TOPOLOGY: linear	aciu				
	CLONE: HUMGS03775					
45	SEQUENCE DESCRIPTION:	<u>የጥርጥጥ ነ ጥርጥጥ</u>	<b>ጥጥር ጥር ለጥ</b> ር ምር	<b>TCC 1 CCCCC</b>	1101001000	co
	GATCTGCCCG CGGCGNACCC					60
	CCTCCCCGT ACTGACTTCT					
	CCCACCCTCT TCCTGTGTCT			TANNNNIAIA	UUCIIITTT	
50	CTTCGGCAAA AAAATAATAA	AACGITICTT	CIGAAA			216

	SEQ ID NO: 3205					
	SEQUENCE LENGTH: 256					
	SEQUENCE TYPE:nuclei	r arid				
_	TOPOLOGY: linear					
5	CLONE: HUMGS03776		•			
	SEQUENCE DESCRIPTION					
	<del>-</del>		TO 1 10 10 10 10 T	CACCTTCTUA	1 CTT 1 1 CCCT	~~
	GATCTGACAC TTCCTTTCC					60
10	GGAGTCCATG CCTCGTCTT					
	AGCCTGACTC ATTCTTCTT					
	TATTCCTGCC TCCTCACTC	CHATTCTCTTT	GCCTTTGTGT	AAAAATAAAA	TGGAAATAAA	
	CAAGTTGCAC AGTAAA					256
	CEO ID NO. 220C					
15	SEQ ID NO: 3206					
	SEQUENCE LENGTH: 256					
	SEQUENCE TYPE:nuclei	c acid				
	TOPOLOGY:linear	•				
20	CLONE: HUMGS03777					
	SEQUENCE DESCRIPTION					
	GATCTCTTTT NATCATATA					60
	CATATTTATN AATTTCAAG					
	AATAAGCTTT ATGTTTCAA					
25	AATGATATGC TATTATNCT	F ATNAGTTATG	TGCAAGCTTT	GTATATNETT	ATATNTATAT	
	NTAACTNTAA CCCTCN					256
	SEQ ID NO:3207					
	SEQUENCE LENGTH: 253					
30	SEQUENCE TYPE:nuclei					
	TOPOLOGY: linear	aciu				
	CLONE: HUMGS03778 SEQUENCE DESCRIPTION	_				
			ANCCCACATC	TCC+TTCC+C	*************	co
35	GATCCCAATT CGAGAGGTT					60
	TGCCCGAGCC GACCTGTCT					
	CTGCTGTGCC ATCAACAAG					
	TNAGCTGGAG CCTCCCATG	CUACUTGUAG	NAGUNGAAGA	GAGGATGGAG	GCCCCCAGIG	
40	NNGGNNTCGC ANN					253
	SEQ ID NO:3208					
	SEQUENCE LENGTH: 252		•			
	SEQUENCE TYPE:nuclei	c acid				
45	TOPOLOGY: linear					
	CLONE: HUMGS03779	-				
	SEQUENCE DESCRIPTION		CALACACCC	1 CT 1 CT CT CT	<u> </u>	en
	GATCATGNTT CATGTGCTA GAAAGCTCTT ATNAGTATT					
50						
	TTGTTATGTA GCAGACACT	LITANDNALLL	MATOTOTALN	ATTUMANTIU	CIVIUVCIGI	100

	TCTTTTATA GTTGAGAATC TTTCTTATTA AA	TCAGGATACC	TACATTTATC	ACTTTTTCAA	TATATATGTA	240 252
5	SEQ ID NO:3209 SEQUENCE LENGTH:251					
	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03780	acid				
10	SEQUENCE DESCRIPTION: GATCAAGCTG TCCGAACCTA					
	CTGGTGGGGA AAGACTTAAA CTCTTTTTTA AATGGAATTC	GTAAAGAAAT	ATAAAACTTC	AGCTCACAAT	TAAAACTGTC	180
15	TTTTTAGTTT TGGCTTTTTA TTCTTCTTAA A	TTGTTTTGTT	GGTGATTTTA	CTGAAATAAA	GTTGAGCTAC	240 251
	SEQ ID NO:3210 SEQUENCE LENGTH:250	•	-			
20	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03781	acid				
25	SEQUENCE DESCRIPTION: GATCTTGTGT TCAGATGAAA	GTGCAAGTTT	TTATTAATTT	GGATTGCCTG	AACAGTGTAT	60
	CCCATGATGA TGAAGGAAAA					
30	AAGCCACGCC TTTCCATTTT ATAACAGCCT TTTTATATTT CCATTTTAAA					
30	SEQ ID NO:3211 SEQUENCE LENGTH:251					
	SEQUENCE TYPE:nucleic	acid				
35	TOPOLOGY: linear CLONE: HUMGS03782 SEQUENCE DESCRIPTION:					
	GATCTTACTT GCTCCTGCTT ACACTCCTGA ACAGTCATGT					
40	TCTATAAATT TNACTCATGG TAAGTATTTA ACCATAGCTA GTTACTTCAA A	ATGTTAGGAA	ATCTAGTCAT	CTTCCCTGTG	ATTGCCCTGT	180
45	SEQ ID NO:3212 SEQUENCE LENGTH:250 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
50	CLONE: HUMGS03783 SEQUENCE DESCRIPTION:					

	GATCTAGACT GAGAATCAGC	CTGAGCTTTA	CACAGCTGGG	GTCTGTTACT	CGCGTTTTGT	60
	AGACTTTTGT GTAACTATTT	GTACCGTAGA	CAGAATGTGA	GGAGGAAGTA	ACACACAGAG	120
	GAGGATGTGT GTGTATGCAT	GTGTTTGAAT	TCACAAGGAA	GAAATTATTT	ATCTTGAGCT	180
5	TTTTCCTTTG TTATTCAATT	TCTATTGATT	TATTAGTAAT	AACAATGATA	ATAAAATGTA	240
	AATGAGCAAA			•		250
	SEQ ID NO:3213					
10	SEQUENCE LENGTH: 250					
70	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUNGS03784					
	SEQUENCE DESCRIPTION:					
15	GATCTAACGT GTTCCAGTGT					
	TATCCAGAGT CATGGGAGAG					
	TNAAATCTTC CCAGTATTAT					
	ACCTGGCGGT GTATACCAGG	CAGTGTGCCA	GTTTAAAAAG	ATGAAAAAGA	ATAAAAACTT	240
20	TTGAGGNAAA					250
20						
	SEQ ID NO:3214					
	SEQUENCE LENGTH: 250					
	SEQUENCE TYPE:nucleic	acid				
25	TOPOLOGY: linear					
	CLONE: HUMGS03785					
	SEQUENCE DESCRIPTION:	0.50055000				
	GATCATAGGT CTGGACACTC					60
30	CGGAATGCCA ATNAACTAGA					
	AGGITTTGCC ATCCACAATC					-
	GCTTCTATTC CATAGCTACG ACATCTCAAA	GCATIGCICA	GIAAGIIGAG	GICAAAAAIA	AAGGAATCAT	
	ACATCICAAA					250
35	SEQ ID NO:3215					
	SEQUENCE LENGTH: 250					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
40	CLONE: HUMGS03786					
40	SEQUENCE DESCRIPTION:		•			
	GATCAAACTG CCATTCACAG					
	CATTGTATAA AAAAACCTAA					
	CTATTCGGAT AATTTCTTAA					
45	GAATGTAATT AATNCATGAT	TAAATGCACC	TNATATGTTT	AANCAATCTT	TGTATACTTN	
	TGGGNTTTTN					250
	SEQ ID NO: 3216					
	SEQUENCE LENGTH: 252					
50	SEQUENCE TYPE: nucleic	acid				

5	TOPOLOGY:linear CLONE:HUMGSO3787 SEQUENCE DESCRIPTION: GATCGCCACA CTGCCACTCT CTGTCCCTGC TGCCTGAGGT CACAAATCGT TGTTCAATGA GGTGAAGAGA AACAATCACT CCGAACACTA AA	GGCGTAGAGC ATTTNTCTCC	AGAGGAGAAG AACTCGACCT	AATTTGCTCC TGGTAAACGG	AGGCCAGGAG AAATNTTGGG	120 180
70						
15	SEQ ID NO:3217 SEQUENCE LENGTH:336 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03788	acid				
	SEQUENCE DESCRIPTION:	0.1.1. TOW. 0.1.0				
20	GATCTGTATT GGATAAGGAC TACTTTTNTT AAGTTGTTTA	ATTATAGTTA	AGCAATTTCA	AAAATGCTCC	AAAGAAATGT	
_	GAAAGGACCT TTTGTCACAG AGAAATGCTG CAGAGTATAT GCCTTTTATC TTGTTTCCGG GTTATATGCT GTAGTTTTTA	AAAACTTGAG ATGCATATTT	ACATTTTTGT ATTACGAGTA	AGGATGCCTG	ACGAGGTGTN	240
25 .						330
30	SEQ ID NO:3218 SEQUENCE LENGTH:227 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03789 SEQUENCE DESCRIPTION:	acid				
	GATCTCGAGT GTTATTTTCT					60
<b>35</b>	GAGATGCATT TATAGCCCTA CCTTGGGAAT AGTTGGCTGC TTTTCTGATG CTGTTCTTAC	CAATNTCCCT	GCTCTTGGTT	CTCCTCTAGA		
40	SEQ ID NO:3219 SEQUENCE LENGTH:248 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03790	acid				
<b>4</b> 5	SEQUENCE DESCRIPTION: GATCTGCATA GAAAATTTTN TTAAAAAGGA AGCAGAAATA GAACCCATTC TNGCATATCT	CTGAGACATG CACGTGCAAT	AAAGGCATTA TTTTAAAAAT	TCAACTAACT AAGTTAATAA	CTAGACTCTA TTCANCTCAT	180
	ATCAACAAAA GCCTTTGNNA NGCCAANN	CATGGGTTTN	CACTNGATAT	CACCTAGTGC	TNANGNTAGA	240 248

	SEQ ID NO: 322	20					
	SEQUENCE LENG	TH: 245					
	SEQUENCE TYPE	Enucleic	acid		,		
5	TOPOLOGY: line						
	CLONE: HUMGS03						
	SEQUENCE DESC						
	GATCCAGTGC TO		44C44CT444	CAGGAGCCAT	TTCAAGGCGG	CAGATATTTT	60
	AAACACCCAA AA						
10	CGCTAGGCGA AT						
	CCCCAAATCT TT						
		GIAIIGIC	CACATICICC	AACAATAAAU	CACAGNGIGG	AIIIAAIIAN	
	GCAAA						245
	CEA IN NA. 200	.,					
15	SEQ ID NO: 322						
	SEQUENCE LENG						
	SEQUENCE TYPE		acıd				
	TOPOLOGY: line		•				
20	CLONE: HUMGS03						
	SEQUENCE DESC				0000010010	~.~~~~~	~~
	GATCCACCCG CG			•			60
	CTAAAATCCA TA						
	CTCCACTGAC TT						
25	CTTCTTCCAA GI	GGTTTTTC	CAAATCGCAC	AATGGCAAAG	CCAAACAGAG	GAAGAAACAT	
	TAAA						244
	CEO IN NO. 200						
	SEQ ID NO: 322						
30	SEQUENCE LENG						
	SEQUENCE TYPE		acia				
	TOPOLOGY: line						
	CLONE: HUMGSOS						
	SEQUENCE DESC				-	m. 1 mum. 1 ma	~~
35	GATCAGATTG CT						60
	GAGGAAAACA TA						
	TCTCATCATG CO						
	TTTTTTTTNA TO	GCTTGCTGT	ACAATGAGAA	CTCAAATAAA	ANTAAACCAA	AGTTTACAAT	
40	CAAA						244
	676 ID NO 666						
	SEQ ID NO:322						
	SEQUENCE LENG						
	SEQUENCE TYPE		acid				
45	TOPOLOGY: line						
	CLONE: HUMGSOS						
	SEQUENCE DESC						•
	GATCCAGGAG GA						
50	GTCCCAGCCA GC						
-	TGGACTCGAA GA	ACATGGCCC	TTTCTCTGTA	GTTGATTTTT	TAAATGTGCC	ATTATTGTTT	180

	TTAAAAAANN CGGNAAAANG GNCAAA	AAANGCANAC	АААТААААСА	CCTTTAAGAG	GCTTGAANGC	240 246
5	SEQ ID NO:3224 SEQUENCE LENGTH:243					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear	aciu				
	CLONE: HUMGS03795					
10	SEQUENCE DESCRIPTION:					
	GATCATAACT CATGAATATG	TTTGTAATCA	TGGTAATTTA	GATTTTNATG	AGGAATGAGT	60
	ATCTGGAAAT ATTGTAGCAA					
	CTAATGTAAT CCTTTAAAAA	TTCTCTGCAT	TGTCAGTAAA	TGTAGTATAT	TATTGTACAG	180
15	CTACTCATAA TTTTTTAAAG	TTTATGAAGT	TATATTTATC	AAATAAAAAC	TTTCCNATAT	240
	AAA					243
	SEQ ID NO:3225					
	SEQUENCE LENGTH: 241					
20	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03796					
	SEQUENCE DESCRIPTION:	CTTC	100 1 1 C 1 C 1 C	CMMCC+C++M	N	
25	GATCTGACCT TTTTTTTCCA					
	GAGTCAGCAT AACATAGTGG CTCTCATTAT AAAATAGGAA					
	ATTAAATGGA CTAATGTATG					
	A A	CANANACCI	UUCAAACAAI	AAACACICAI	CIUNCIIIAA	241
30	•					241
	SEQ ID NO:3226					
	SEQUENCE LENGTH: 240					
	SEQUENCE TYPE:nucleic	acid				
35	TOPOLOGY:linear					
	CLONE: HUMGS03797					
	SEQUENCE DESCRIPTION:					
	GATCAAAATA TATTTGTCCA					60
	GAAAAGAAAC GCATCCTGCA					
40	TCAAGGAAGT AAGAGGAGGA					
	TTCTCAAGAG TTGACCATTA	TCTCTATTCT	TAAAATTAAA	CATGTTGGGG	AAACAAGAAA	240
	SEQ ID NO:3227					
45	SEQUENCE LENGTH: 239					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUNGS03798					
	SEQUENCE DESCRIPTION:					
50	GATCCTCCCA CCTNCAGCCT	CCC A A GT A CC	TCCCACTACA	CCCACATCCT	ACC ATCCCC A	60

# EP 0 679<sub>e</sub>716 A1

	GCTAATTAAA AAAAATTTTT	TTTTTGTAGA	GACGGAGTTT	CACTGTGTTG	CTCAGGCTGG	120
	TCTTGAACTC CTGAGTTCAN	GCAACCCTCC	ACTTCAGCTT	CCCAAAGTGC	TGGGATTACA	180
	GGCATCACTG GCCCAGGCAG					
5						
	SEQ ID NO:3228					
	SEQUENCE LENGTH: 238					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
10	CLONE: HUMGS03799					
	SEQUENCE DESCRIPTION:					
	GATCAAATTT NATTGAATGG	TTTGAGGTTG	TAGCTCTATA	AATAGTAGTT	TTTAACATGC	60
	CTGTAGTATT GCTAACTGCA	AAAACATACT	CTTTGTACAA	GAGGTGCTTC	TAAGANTTTN	120
15	ATTGACATTA ATGACACTGT	ATACAATAAA	NGTGTAGTTN	CTNAATCGCA	CTACCTATGC	180
	AACACTGTGT ATNAGGTTTA	TCATCCTCAT	GTATTNTNNT	GTGACCTGTA	TGTNTATN	238
	CRO ID NO DOGO					
	SEQ ID NO: 3229					
20	SEQUENCE LENGTH: 237					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03800					
	SEQUENCE DESCRIPTION:					
25	GATCCAAAGC CATCCCAGAC					60
	TCTGCGTCCT GCCTGCCCAT					
	TGCACCTCCT TCCCCAGGTG					
	TGGGTTTCCT GGGCAAATAG	IGGCCCICAA	TAAATNITIU	CIGAGIGAGA	ACATAAA	237
30	SEQ ID NO:3230					
	SEQUENCE LENGTH: 515					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
35	CLONE: HUMGS03801					
	SEQUENCE DESCRIPTION:					
	GATCGCCAGA GCCCAGGAGT	TTGAGGCTGC	AGTGAGCTAT	GAGGGTGCCT	CTTTGCTCCA	60
	TCCTAGGCAA CAGAGTGAGA	CGCTGTTTAA	AAAGGAAAAA	ATCCTTCCNT	AGAGCTAGTA	120
	TCCTAAAGCT GCAGAGCTAG	CCCATGACCT	CATTGGTTTC	NTTGTCCTTG	GGGTGCTTTT	180
40	CCTGAATCTT TGGGGGTGAA	GGGAGTNTTG	CTCCCAGTCC	AGAGGCCTGA	TTCTTTTCGG	240
	ACTGGGTTCT CAAGACACGA	CCAGGTTCTC	AAGACACGAG	TCCCCTTNTT	CCTNCCCATT	300
	AAAGGGGGTT TNTNAGAAGC	AAGANCAGCC	CCTTTCCCCA	AGTCACAGCC	TGAAGGGAGG	360
	CCCCNGAGAN GCTTCCCTCC	TTTCCCCNCA	CCCTGNTTCC	TTAACCTTNT	TTTGNCCCTG	420
45	NTTTTTTAG GAANCTGGNA	GTTTCAATTN	GTTTTTAANG	GGGGATTGGG	GGGGAAGGGA	480
	AGNCTTNGGG GGACAAAAA	NNTTTTTNTT	NCAAN			515
	SEQ ID NO:3231					
	SEQUENCE LENGTH: 227					
50	SEQUENCE TYPE:nucleic	acid				

5	TOPOLOGY:linear CLONE:HUMGS03802 SEQUENCE DESCRIPTION: GATCAGTGTA TGCGAAAAGG TTTTTAGGAA GTATGGCAAA AATGTTGTAT TGGCTATGAT GGTGACATGA TATAGTCAGC TGCCTTTTAA GAGGTCTTAT CTGTTCAGTG TTAAGTGATT 1 TAAAAAAATA ATAACCTGTT TTCTGACTAG TTTAAAGATG GATTTGAAAA TGGTTTTGAA 1 TGCAATTAGG TTATGCTATT TGGACAATAA ACTCACCTTG ACCTAAA 2	20
10	SEQ ID NO:3232 SEQUENCE LENGTH:224 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
15	CLONE: HUMGS03803 SEQUENCE DESCRIPTION: GATCACTAGC TAATNCTCAT ATCCATGCCT TTTTGTCCTG TTTACAGTCT TAAAAGAGGT	60
	AAAACAGCAA ATATTTTTTN AAGGGAACTA TAACCTTAGG ATTCCTGAAA ANAATTTCAA 1	
	AAAAAAAATA AAGACACTGT TGCCAATGTG NCCCAAAACT TAAGACCATA CTAATGGCAT 1	
20		24
. 25	SEQ ID NO:3233 SEQUENCE LENGTH:310 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03804 SEQUENCE DESCRIPTION: GATCGGTGCT TTGTGTAAAT ACATCTTTAA CATTTGGGTG GAGAGGGGCC TTAAGAAGGA	60
30	CAGTTCATTG TAGGAAAGCA ATTCTGTACA TGAGTTTAAG CATTCTTGTT GCATTGTCTC 1	
	TGCAGATTCT ATTTTTGTTT ACAATATTAA AATGTATGTN AGCAAAATGG GTGGATTTTC 1	
	AAATAAAATG CAGCTTCCAC AAAAGTTTTG TNATGGTATT CTGGTCTGAG ATGCATTTNC 2	
	ATTTINCCIN TCTCTINTTA TTATCAATAT TGTNATTTTT CCCTAATAAA ATATACCCAG 3	
		100
35	didnii inn	10
	SEQ ID NO:3234 SEQUENCE LENGTH:220 SEQUENCE TYPE:nucleic acid	
40	TOPOLOGY:linear CLONE:HUMGS03805 SEQUENCE DESCRIPTION:	
	GATCAAATTT TTNAGACAAT CCTTGGTCTG GATTGGTTAA TGAAAATNTN TTGTTTAAGA	
45	GGTTCTATTA AAAAATATTT CTAGTGTATT AGTCATAATT NTTTTTGTGG AGTGGGGGTA 1	
	AACCACACCA TTAAGGGAAT AAAATGTAAT TTGAAAGAGG TGATTATAAG ATTTGTTTCA 1	
	GGCCCCAAAA TATAAATAAA AATTGGTGTG GAATCTCAAA 2	220
	SEQ ID NO:3235	
50	SEQUENCE LENGTH: 219	

	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03806 SEQUENCE DESCRIPTION:	acid				
5	GATCGATACA GAGCATCTGC					
	GCTAATNGAG CTGAGGGTAT TNAAGATAAC TGCCTTATCT					
	ATNACCAACG CTCTTTGAAA			UGATIAAATA	GUACUIIIAA	219
10	ATHROCANCE CICITIONAL	IMMONITIC	AAAAI IAAA			219
	SEQ ID NO:3236				•	
	SEQUENCE LENGTH: 219					
	SEQUENCE TYPE: nucleic	acid				
15	TOPOLOGY: linear					
,,,	CLONE: HUMGS03807					
	SEQUENCE DESCRIPTION:					
	GATCAAAAAA ACTTTTCTTC	TTTTGCAAAG	AAAGCTTTTT	GTTTTTAACN	GCAACGTACT	60
	TTTCCCCTAC CTTGAAGAGA	CATGGTGGTC	GCAGCTTCTN	ATCTATATGA	AAAAGTTTTC	120
20	GATGTATTGG AATNATTTGG	GAATGCTTTT	AAAACAATTT	GTAATTATTT	CTTTACAAAC	180
	CAAAACAGAA CAGAAAGGTG	TGGTGCTGGA	ACATCGAAA			219
	SEQ ID NO: 3237					
25	SEQUENCE LENGTH: 265					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03808					
30	SEQUENCE DESCRIPTION:	0.0	maama	m + 0.000000000	*********************	~~
	GATCTGCATT TTCAGAAGAG					60
	AAGACTTGTA CTCTCTCACC AGGCGTCTGG GTCTCTCCTC					
	TTGATGATTT CTTTTTTATC					
_	GTAAATTTAT ACTTATGTTT		CAMITITACC	INGUINCONC	INUUIUUNIN	265
35	OTMATTIAL ACTIVITY	UUNAA				200
	SEQ ID NO:3238					
	SEQUENCE LENGTH: 217					
	SEQUENCE TYPE:nucleic	acid				
40	TOPOLOGY:linear					
	CLONE: HUNGS03809					
	SEQUENCE DESCRIPTION:					
	GATCTACTAT AAGGTATTCT	ATATTTATAT	NACTTCAGAG	ACGCGTATGT	AATAAAGNAC	60
45	GCCCTCCCTC CAGTGTCCAC	ATCCAGTTCA	CCCCAGAGGG	TCGGGCAGGT	TGACATATTT	120
	ATTTTTGTCT ATTCTGTAGG	CTTCCATGTC	CAGAATCCTG	CTTAAGGTTT	TAGGGTACCT	180
	TCAGTACTTT TTGCAATAAA	AGTATTTCCT	ATCCAAA			217
•	CEO ID NO. COCO					
50	SEQ ID NO: 3239					
	SEQUENCE LENGTH: 217					

	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
5	CLONE: HUMGS03810					
•	SEQUENCE DESCRIPTION:					
	GATCGGTGCT ACCAAGGAAG	AGAGCACACA	GATAAGACAG	AGGGGAGGAG	GTGGGCATTT	60
	CCTACATTCC TCCTTGTTTN	CCGCTGCTGA	NATTGCAGTA	TTTATTGCAA	TNTAAATNTA	120
	TCCTGAAGGT GGGGAGGAAT			GTGTCATCTT	GGTNTGTTTT	180
10	TNTCCCTGTT TGTAGCAAGA	CTCTNATGAT	AATNCTN			217
	SEQ ID NO: 3240					
	SEQUENCE LENGTH: 217					
15	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03811					
	SEQUENCE DESCRIPTION:					
	GATCTATATG AAGTGGGAAT				-	60
20	ATCTTATTTT TTTCATTAAT					
	TTTGTATAAT TAAATGTGTC			TNGATGGCAT	AAGGTATGAA	
	ANTANTGTAC TGCCCCATGT	ATNACTGTTC	CAACCAN			217
	SEQ ID NO:3241					
25	SEQUENCE LENGTH: 214					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear	doru				
	CLONE: HUMGS03812					
30	SEQUENCE DESCRIPTION:					
	GATCATAAGA CCAGGAGTTC	AAGACCGGTC	TGGCCAACAT	GGTGAAGCCT	CATTINTACT	60
	AAAAATACAA AATNAGCCAG					120
	CTGAGGCAGG AGAATTGTTT	GAACCTGGAA	GGTGGAGGTT	GCAGTGAGCC	GAGATTGTGC	180
35	CACTGCACTT GACAGAGCGA	GACTCTGTCT	CAAA			214
33	•					
	SEQ ID NO: 3242					
	SEQUENCE LENGTH: 214					
	SEQUENCE TYPE:nucleic	acid				
40	TOPOLOGY:linear					
	CLONE: HUMGS03813					
	SEQUENCE DESCRIPTION:					
	GATCATCGAG GACGAGAAGA					60
45	GGGCTCGGCG GAGGTCATTG					
	CGGCCAGAGA CTGTGTGCAG			GTGTCCTGGA	GCCCTCCCTC	
	ATNATNACAG CTGCTGTCCC	CGAGGACTGT	GATN			214
	SEQ ID NO:3243					
50	SEQUENCE LENGTH: 212					
	SEQUENCE TYPE:nucleic	acid				

	TOPOLOGY: linear					
	CLONE: HUMGS03814	•				
5	SEQUENCE DESCRIPTION				V====	
	GATCTGGGGA GCTNTGAC					
	CCACCCCAGT NAGGACCT					
	CAACACGATT TACATAAA CTTAAAAAAT AGAGTGCAG			GAAATACCAT	GCACAGAGTC	
10	CITAMAMAI AUNUIUCA	JI AIIIAAACCA	AA.			212
10	SEQ ID NO: 3244					
	SEQUENCE LENGTH: 211					
	SEQUENCE TYPE: nuclei	ic acid				
	TOPOLOGY: linear	ic acru				
15	CLONE: HUMGS03815					
	SEQUENCE DESCRIPTION	1.				
	GATCTCTGTA GACTAGAGT		ACAGAATGTA	ATATAAGGCA	AATGCATCTG	60
	GGACTTGACC AAAGTTGTT					
20	TTAAATGTGA CAGATGGTO					
	AGTATATTGA TGATTTCTG			OHOTOT THEBI	4014444141	211
			•-			
	SEQ ID NO: 3245					
25	SEQUENCE LENGTH: 210					
25	SEQUENCE TYPE:nuclei	c acid				
	TOPOLOGY:linear					
	CLONE: HUMGS03816					
	SEQUENCE DESCRIPTION	l:				
30	GATCTATTTT TGCACTGGA	A TATCTGAGAA	TTGCAAAACT	AGACAAAAGT	TTCACAACAG	60
	ATTTCTAAGT TAAATCATT	T TCATTAAAAG	GAAAAAAGAA	AAAAAATTTT	GTATGTCAAT	120
	AACTTTATAT GANGTATTA	A NNTGCATATT	TCTATGTNGT	AATATANTGN	GTCACAAANT	180
	AANGCTGTGA CAGTNCTGT	T GGTCTACAAA				210
35						
	SEQ ID NO:3246	•				
	SEQUENCE LENGTH: 210					
	SEQUENCE TYPE:nuclei	c acid				
	TOPOLOGY:linear					
40	CLONE: HUMGS03817					
	SEQUENCE DESCRIPTION					
	GATCTTTTAC CACTAAAAG					
	CTTGGCATAA TAAATGCCT					
45	AATGGGGATA TTGTAAATA			TTCTTAAAGC	AATCTATGTA	
	ACTGTAAATT AAACCAATC	T ACAAACTAAA				210
	CFO ID NO. 2042					
	SEQ ID NO: 3247 SEQUENCE LENGTH: 210					
50	SEQUENCE TYPE:nuclei					
	TOPOLOGY: linear	c aciu				
	TAT ANADI'TITEGI					

	CLONE:HUMGS03818 SEQUENCE DESCRIPTION:					
	GATCAGAAGT GGCTAATTTA	TTTNATTTCT	NATTATTTTA	TCCAGAGGGT	ACTTTTTAA	60
5	TGGATATTTG TAAATCTNCC					
	CCATCCATAC CTCTGCCTCC					
	CTAGTTGAAT GTGAATAAAT					210
10	SEQ ID NO:3248					
	SEQUENCE LENGTH: 206					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
15	CLONE: HUMGS03819					
	SEQUENCE DESCRIPTION:					
	GATCTCCATT CTTTGCCATG					
	AGCCCTAGAC TTGTTGGAGC					
	GCTTTGGCAC TGCCCCGCAG		TATTTATTCT	GTTTCTNTTG	TTTTGTTTTT	-
20	AACAACTATA CTTTGCACAC	ATGAAA				206
	SEQ ID NO:3249					
	SEQUENCE LENGTH: 209					
	SEQUENCE TYPE: nucleic	acid				
25	TOPOLOGY:linear					
	CLONE: HUMGS03820					
	SEQUENCE DESCRIPTION:			•		
	GATCCCCAGA GTTGGTCCAA					
30	TCACCTAGGN TTACAAATAT					
	GCTATTTTGT ATGCTGTTAA		CTGTGTACTT	TTTTTTAAGG	GAAAGATTTŢ	180
	AATATTAANC CTGGTGCTTC	TCACTCAAA				209
35	SEQ ID NO:3250					
	SEQUENCE LENGTH: 335					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03821		*			
40	SEQUENCE DESCRIPTION:					
	GATCTGTGTG GTCCCCGACG					
	CCTGGGGATG AACAGGTCAA					
	TCTGGAGACA CTGAGAACGC ATCAGCTCCA CCTCTGAGCC					
45	TGGGGGAAC CCACCCTGCC					
	GNAANTNTNA TNTATGATGN			INUNUIAAAU	AACTITITU	335
	SEQ ID NO:3251					
50	SEQUENCE LENGTH: 207					
	SEQUENCE TYPE: nucleic	acid				

	TOPOLOGY: linear CLONE: HUMGS03822		
5	SEQUENCE DESCRIPTION: GATCTAATTC TNCACTCCTG CTCCAAGGGC TGGGCTGTGG GTGGGATACT G	· ሶ ሶ ነ	60
	GCCACTGGAT TTTCCCTAAA TTTGTCCCCC CTTTACTCTC CCTCTATTTT N		
	GACTCCCTCA GACCTGTAAC CAGCTTTGTG TCTTTTTNCC TNTNCTCTCT T		
	GCATTATAAC TTTGAAAGCA AAACAAA		207
10	470 ID 110 0050		
	SEQ ID NO: 3252		
	SEQUENCE LENGTH:201 SEQUENCE TYPE:nucleic acid		
	TOPOLOGY: linear		
15	CLONE: HUNGS03823		
	SEQUENCE DESCRIPTION:		
	GATCTCATTT NAATGATTTA TAGGTAAATA CTAATCAGAC ATTATTAAAA G	CAAAACAGG	60
	AAAAAGGTAA ACTTETTAAA TTTAGTTACC TATAAAAATT GTCAATNTTN A'		
20	AACACATGGA CTTACTATAA AAGCCTTTTT GTACTAGTGA AAAGAATCTT C		
	GAAATAAAGT TATACTTTAA A	2	01
	SEQ ID NO:3253		
	SEQUENCE LENGTH: 201		
25	SEQUENCE TYPE: nucleic acid		
	TOPOLOGY: linear		
	CLONE: HUMGS03824		
	SEQUENCE DESCRIPTION:		
30	GATCCCTAAA AGACAAAAGA GTCTTGGAAA GGACTGCTGG CTTCGTCTTG A		60
	CCATCACCAG TGTGAGTCCG TGGGGAAGTC TTCCTCAAGT GGGGTTCAGT C		-
	CCTGTCTGTT CTTAGCNNNG TTCTGAGTTA TTTTGGATTT TNTTCTTTAG CO		
	GCAGTGTGGT TTTACCTGAA A	2	01
35	SEQ ID NO:3254		
	SEQUENCE LENGTH: 200		
	SEQUENCE TYPE: nucleic acid		
	TOPOLOGY: linear		
40	CLONE: HUNGS03825		
	SEQUENCE DESCRIPTION:		
	GATCCTAATG GTGCTGCCCT ATTTATACCT GGGTCTGCAT TAAAAGGGAA A	GCCCCCCT	60
	GTTGTAGATT TCATCTGCTT CCTCCTTAGG GNAGGCTGGG ATATGATGAG A		
45	CCAAGCCCGG CCCCCACCG CCAGGCCATA GGGCATANTT TGCATCTCAA A'		-
	TAAACTGATG ACCTGTGAAA	2	00
	SEQ ID NO:3255		
	SEQUENCE LENGTH: 391		
50	SEQUENCE TYPE:nucleic acid		
	TOPOLOGY: linear		

	CLONE: HUNGS03826
	SEQUENCE DESCRIPTION:
5	GATCAAGCAT TTGCGTTTGG ATGGCAATCG CATCTCAGAA ACCAGTCTTC CACCGGATAT 60
	GTATGAATGT CTACGTGTTG CTAACGAAGT CACTCTTAAT TAATATCTGT ATCCTGGAAC 120
	AATATTTTAT GGTTATGTTT TTCTGTGTGT CAGTTTTCAT AGTATCCATA TTTTATTACT 180
	GTTTATTACT TCCATGAATT TTAAAATCTG AGGGAAATGT TTTGTAAACA TTTATTTTTT 240
	TTAAAGAAAA GATGAAAGGC AGGCCTATTT CATCACAAGA NCACACACAT ATACACGGTT 300
10	AGACATCAAA CTCAATGCTT TATTTGTNAA TTTAGTGGTT TTNTATTTCT ACTGTCAAAT 360
	GATGTGCAAA ACCTTTTTNC CGGGTTGCAT N 391
	SEQ ID NO:3256
15	SEQUENCE LENGTH: 194
	SEQUENCE TYPE:nucleic acid
	TOPOLOGY: linear
	CLONE: HUNGS03827
	SEQUENCE DESCRIPTION:
20	GATCTTTAAT TTGNATGGTG ATGAATGTCT TAGTCATGAA GAGTTTCTAT GGGGTGTNAA 60
	AAAACAGAAT GCATCGAGGT TNATGGGTAC CACAACATCA GAGTATACAA GAATACTGGA 120
	AGTGTGTGAA GAAAGAAAGC ATTAAAGGAG TAAANGANGT CTGGAAACAN GCTGGAAANG 180
	GTCTTTTTNA ATNN 194
25	
	SEQ ID NO: 3257
	SEQUENCE LENGTH: 190
	SEQUENCE TYPE:nucleic acid
30	TOPOLOGY: linear
00	CLONE: HUMGS03828
	SEQUENCE DESCRIPTION:
	GATCTAGTAG GTTTCTATTT TTCCTTTCTC TTTACAATGC ACATAATACT TTCCTGTATT 60
	TATATCATAA CGTGTATAGT GTAAAATNTG AATNACTTTT TTTGTGAATG AAAATCTAAA 120
35	ATCTTTGTAA CTTTTTATAT CTGCTTTTGT TTCACCAAAG AAACCTAAAA TCCTTCTTTT 180
	ACTACACAAA 190
	SEQ ID NO: 3258
40	SEQUENCE LENGTH: 190
	SEQUENCE TYPE:nucleic acid
	TOPOLOGY: linear
	CLONE: HUNGS03829
	SEQUENCE DESCRIPTION:
45	GATCCCCTTT TNTNCTGGAG CTTCCGTGCC TCCCCTGCCT CTTCCCAGCC CTTGTAATCC 60
	TCCTTCACAG GCCAGCCAGA TACCTGTNTG GCCTNTGGGC CCATTTTNTT CCCTGTCTGT 120
	CCCCACCCCA CAAGAACCAG GTTTCTNTAA TAAATTCTCT CCCTTCTTTA GCCAGGACTT 180
	AGCCCGCAAA 190
50	SEQ ID NO:3259
	SEQUENCE LENGTH: 189
	ordornor printin. 103

5	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03830 SEQUENCE DESCRIPTION:	acid				
	GATCTNAGAG CCTGCCCAAC CTAACTGCGT ANTGANAAGG GCATGGGCAT AGGGACCCAT	GGAACAGTGC	CATGTACCAC	ACAGATGTTC	CTGTCTCCTC	180
10	GGAGGGAAA					189
15	SEQ ID NO:3260 SEQUENCE LENGTH:188 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO3831	acid				
20	SEQUENCE DESCRIPTION: GATCCCCTTC CTATCAATCA ACTCAATGGT ACCCAGGGAG AACAGCCACT GGGTGAGCTG AACCCAAA	GGAGCATGGG	AAGAGGGTGA	GCTGAGGGCT	GGAGGAGGGC	
25	SEQ ID NO:3261 SEQUENCE LENGTH:184 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
30 35	CLONE:HUMGS03832 SEQUENCE DESCRIPTION: GATCAACAAG GCCACGCCCT CGACGTGCCC AGCCACCCCC GTGAGCACCT CCACTGACAG CAAA	AGGACCCTCA	GGGCCCCAGC	CTGGAGTGGC	TGAAGAAACT	
35	SEQ ID NO:3262 SEQUENCE LENGTH:184					
40	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03833 SEQUENCE DESCRIPTION:	acid				
45	GATCCACCAA TGTTTCAAAT ATTCAATTTT AATATTATTC TGATGTTTTG TTTTGATAGA CAAA	ACATTTCATG	TCACAAATTT	AGTAAGTTAC	ATGTGTTATG	120
50	SEQ ID NO:3263 SEQUENCE LENGTH:181 SEQUENCE TYPE:nucleic	acid				

5	TOPOLOGY:linear CLONE:HUNGS03835 SEQUENCE DESCRIPTION: GATCTCTCTG TGTGGAATGC CTTGGTGAGA GAGATGCTTA TAATNACTAT NATNATTTCT AACCAAGCTT CTATNAATNT AATTTCTAAT AATACACTAT CTTGATTGTA CTCTCCAGAA I AATTTTNCTG TCAGTGAAAA TAAAAGAAAA ATTAAAGTAA AGCTAAGGAA CTGTCTATAA 1 A	20
10	•	٠.
15	SEQ ID NO:3264  SEQUENCE LENGTH:180  SEQUENCE TYPE:nucleic acid  TOPOLOGY:linear  CLONE:HUMGS03836  SEQUENCE DESCRIPTION:	
		60
	TTGTGGTGAC CCGGCTCGGG CNTNTCCTCG GTTTCNTTGC CTCACCCGCG GAGAGCGCTG 1	
20	AACCTGGACA AGCAGCGGCT GGNAAGNACA GGTCCAATAA ACGCCCTCTG CGCCCAGAAA 1	80
25	SEQ ID NO:3265 SEQUENCE LENGTH:227 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03837 SEQUENCE DESCRIPTION: GATCTAGTTC AGAAGGAAGC AAAATCCCTT AATCTATGTG CACCGTTGGG ACCAATGCCT TAATTAAAGA ATTTAAAAAA GTTGTAATAG AGAATATTTT TGGCATTCCT CTAATGTTGT 1 GTGTTTNTTT TTNGTGTGTN CTGGAGGGAG GGGATTTAAT TTNAATTTNA AAATGTTTAG 1	20
	GAAATTININ CAAGGAANCI IIITAATAAN GIATAINGAA AGNIAAA 2	27
35	SEQ ID NO:3266 SEQUENCE LENGTH:171 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03838	
40	SEQUENCE DESCRIPTION: GATCACTTCT CCTTGGCTTC CTTCTTTTCT GTGCTTGCAT CAGTGTGGAC TCCTAGAACG TGCGACCTGC CTCAAGAAAA TGCAGTTTTC AAAAACAGAC TCAGCATTCA GCCTCCAATG 1	
<b>45</b>	SEQ ID NO:3267 SEQUENCE LENGTH:338 SEQUENCE TYPE:nucleic acid	
50	TOPOLOGY:linear CLONE:HUMGSO3839 SEQUENCE DESCRIPTION:	

5	GATCACTTTA TTTGCTAGGG AGGGAAGTCC TAGGGTGGTT TCAGTTTCTC CCAGACATAC 6 CTAAATTTTA ACATCAATCC TTTTAAAGAA AATCTGTATT TCAAAGAATC TTTCTCTGCA 12 GTAAATCTCG CAGGGGAATT TGCACTATTA CACTTGAAAG TTGTTATTGT TAACCTTTTC 18 GGCAGCTTTT AATAGGAAAG TTAAACGTTT TAAACATGGT AGTACTGGAA ATTTTNCAAG 24 ACTTTTACCT AGCACTTAAN TATGTATAAN TGTACATAAN GACAANCTAG TAAGCNTGGC 30 CTGGGGGANAT GGTCAGNCCT TGTNTTGTGT TTTTGGCN 33	20 30 40
10	SEQ ID NO:3268 SEQUENCE LENGTH:170 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
15	CLONE:HUMGS03840 SEQUENCE DESCRIPTION: GATCATAGGA GAAAACCATT TCANATGACA AGAGCACCTC AAAGGCAGCA GCCTCAAGGA 6 GCAGCCATGG CCCCAGACTT GTCGCACGGA TGCAGAAAAC TTAATGGAGG AGGCTGAGGT 12 CAGAATGGGA AGAGTTTTTA AAAAATAAAA AGGGGAGCTA ATATGTGAAA 17	
20	The state of the s	v
25	SEQ ID NO:3269 SEQUENCE LENGTH:168 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03841	
30	SEQUENCE DESCRIPTION: GATCAAGGGC AAAAACTGGT CATTAAGTNA TCTAANATTA AATNATTTAG CCACTAAGTA 6 ATTINITTAC TCTNACTITA AACTCACCAA AGAAGATTCT TITAAAGAAA TTATGAAAAA 12 TGTACAATTT AACATTTTAA ATAANTAGTG ACAGANGTTG TTTATAAA 16	
35	SEQ ID NO:3270 SEQUENCE LENGTH:167 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03842	
40	SEQUENCE DESCRIPTION:	
45	SEQ ID NO:3271 SEQUENCE LENGTH:167 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03843	
50	SEQUENCE DESCRIPTION:	i0 20

	CTGACGAGTA GTATTCCACA	GTNTGGATGC	ACTGTATTNN	NTTTATN		167
5	SEQ ID NO:3272 SEQUENCE LENGTH:166 SEQUENCE TYPE:nucleic	anid	•			
	TOPOLOGY:linear CLONE:HUMGS03844	aciu				
10	SEQUENCE DESCRIPTION: GATCAGAGCA TTGTGCAATA AATTTTTTT TCAACACTCT	TACACCTGTT	ATGGAAAATG	TCAACCTTTG		60 120
	ANANTAAAAN TTGAAAANTA	AAAACCNTAA	ACATTTGCAC	CAGAAA		166
15	SEQ ID NO:3273 SEQUENCE LENGTH:165					
	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
20	CLONE: HUMGS03845 SEQUENCE DESCRIPTION:					
	GATCTNTTTT TTTCCCTTCT					60
25	AATTTTNCTT TGTTTTTNCT TTCAACTGTN CTAGTTAATA				ATNCATTTTN	120 165
	SEQ ID NO:3274					
	SEQUENCE LENGTH: 163					
	SEQUENCE TYPE:nucleic	acid				
30	TOPOLOGY:linear CLONE:HUMGS03846					
	SEQUENCE DESCRIPTION:					
	GATCTCAGGA ATNACATTTT					
35	ATTTGGTGAA TATTTAATAT				GACAATNAAA	
	AAATATTGTT TGGCCAAATA	GIAAACACCC	TTTTGAAACC	AAA		163
	SEQ ID NO:3275					
40	SEQUENCE LENGTH: 163 SEQUENCE TYPE: nucleic					•
	TOPOLOGY: linear	aciu				
	CLONE: HUMGS03847					
	SEQUENCE DESCRIPTION:					
45	GATCCCTING TTTGCTTAAT CCATGGTGCT ATNATNAGGC					
	AAAGCAAATA CTTACTGTTT				a.m.viomi	163
	SEQ ID NO:3276					
50	SEQUENCE LENGTH: 164					
	SEQUENCE TYPE:nucleic	acid				

5	TOPOLOGY:linear CLONE:HUMGS03848 SEQUENCE DESCRIPTION: GATCTGTTCT TGGTATTTNN TCAGGCCCAG GACTGGTCAC TCTCATGGAT TCCACAGCAA	CATGAGCTCT	GCTAGCCACG	GCCCCAACGA		
10	SEQ ID NO:3277 SEQUENCE LENGTH:162 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
15	CLONE: HUMGS03849 SEQUENCE DESCRIPTION: GATCTGGGGT CCCTAAGTCC AGTTGCTGTG GGCGTGCCCG CTTTCCAGAA AACATTAAAC	GAAGCAGAGC	GCCACACTCG	CTGCTTAAGC		60 120 162
20						
	SEQ ID NO:3278 SEQUENCE LENGTH:162 SEQUENCE TYPE:nucleic	acid				
25	TOPOLOGY:linear CLONE:HUMGS03850 SEQUENCE DESCRIPTION: GATCCTAGGA ACTCCTATNT	TCAGAAAGA	<b>ል</b> ምጥጉ ነ ነ ነ ነ ነ	ΤΑΓΤΑΤΑΤΑ	TTACAGTATT	60
	TAGCTGTCAA TTTTAAGATG					
30	CACACAAAGC TTGGAAAAAG					162
	SEQ ID NO:3279 SEQUENCE LENGTH:160					
35	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03851	acid				
	SEQUENCE DESCRIPTION: GATCAAGAAG TAGCCGAGGT	TGATAAAAAC	ATAGAACTTT	TGAAAAAGAA	GGATGAAGAA	60
40	CTCAGTTCTG CTCTGGAAAA	AATGGAAAAT	CAGTCTGAAA	ACAATGATAT	CGATGAAGTT	120
	ATCATTCCCA CAGCTGCTCA	ATAAAGTACA	AGAGCTTAAA			160
	SEQ ID NO:3280					
45	SEQUENCE LENGTH: 177					
·	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE: HUMGS03852					
	SEQUENCE DESCRIPTION:				•	
50	GATCGTGGGT CAGGGACACC	GAGAGAGTGA	GGTCACTTCC	ACTTCAAACC	TTCAGTGAGG	60
	GGGTGGGATG GAGAGAATGC	TGAATCTTTT	TTTTNACGGG	ATGGGGTTTT	CNTCTTTGTA	120

	ATTATNNCTT	TAGTTTAATT	AACCTTTTGG	TTGTTTGTNC	AATATTATAT	ATNNNAN	177
5	SEQ ID NO:33 SEQUENCE LET SEQUENCE TYPE TOPOLOGY:1ir	NGTH:232 PE:nucleic	acid				
10	CLONE: HUMGSO SEQUENCE DES GATCAGGACT A GAAGATGCTC 1 GTTTTCTNGT N ATAATGACAT O	SCRIPTION: ATAATATTGT TGGGGGTTTT HGGCCATTTC	GTTTTTGCTT TGTATTGCTG	TTCCTTCAGG GCATCTGTGC	GTTTTATTTT TAAGCTTTAC	TGACTGTTTT AGTGGCAAAA	120
15			TTTTOMMON	MAINITIII	NCCITITUIA		232
20	SEQ ID NO:32 SEQUENCE LEN SEQUENCE TYP TOPOLOGY:lin CLONE:HUMGSO SEQUENCE DES	GTH: 158 E:nucleic near 03854	acid				
25	GATCGATGGT G TGCCTTCTAG A TCCAAGAAAA A	GCGCTTTCT TTCACTGTC	TTTTGATTCT	TGATTTTCAA			60 120 158
30	SEQ ID NO:32 SEQUENCE LEN SEQUENCE TYP TOPOLOGY:lin CLONE:HUMGSO	GTH: 158 E:nucleic mear 03855	acid			·	
35	SEQUENCE DES GATCTCATCA C TTTNATGTAT C GAAAGTTTAA T	AAGATGACC TATAGATAC	CACAGCTGTT	GCTTCTAATA			60 120 158
40	SEQ ID NO:32 SEQUENCE LEN SEQUENCE TYP	GTH:390 E:nucleic	acid				
45	TOPOLOGY:lin CLONE:HUMGSO SEQUENCE DES GATCTGCCTC A CCGAACCTTC C	3856 CRIPTION: CGTGCACTG ACATCGAGG	AGCCCCGCAC	AGGTGGCCTG	GCCAAGCGGC	TGGCCAACCT	
50	TATCCGGCGC G TGCCGTTTCT N GTTGGCTTTT G ACAGGAGCCA C	TCTGGGGAG AACCAAAGT	GGGAGCCCAA GCCCTGGACC	GGGCTGTTTC AGGTCAGGGC	TGCCACTTGC CTACAGCTGT	TCTCCTCAGA GTTGTCCAGT	240 300

	TCAACTTGTT AGTGGCCACC	TCTTATATTN			390
5	SEQ ID NO:3285 SEQUENCE LENGTH:156 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO3857	acid			
10	SEQUENCE DESCRIPTION: GATCTCAACA CCTATGCCTC GTAGAGTCCT AATCTTCTTC CTTTTCCTAT TACTTAAAAT	TATCTTGTGG	TGTGAGACCT		60 120 156
	SEQ ID NO:3286 SEQUENCE LENGTH:155 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid			
20	CLONE:HUMGS03859 SEQUENCE DESCRIPTION: GATCAGGTGA TTTGTAAAAT AGAAAGAGAG AAATNATCTT ACTTATTTAT TGGGTTGTCA	TTTAGTTAAA	ACCAAATTTC		60 120 155
25	SEQ ID NO:3287	010.2111000	0101		
30	SEQUENCE LENGTH:137 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO3860 SEQUENCE DESCRIPTION:	acid			
35	GATCTTGCAA CTCCATTTCG ACAGCTTTCC TATATCTCCT CATAGCCTTT GTGCAAA				60 120 137
40	SEQ ID NO:3288 SEQUENCE LENGTH:152 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03861 SEQUENCE DESCRIPTION:	acid			
45	GATCAGTGGG CACAGTTCTT CTCGACATCT TGTCCCCAAT TCGTTTATTT AATAAAGACA	CCTTCCAAAA	ATATTGATGG		
50	SEQ ID NO:3289 SEQUENCE LENGTH:152 SEQUENCE TYPE:nucleic	acid			

5	TOPOLOGY:linear CLONE:HUMGS03862 SEQUENCE DESCRIPTION: GATCAGNATT GTACGTATTC AAGGTGTAAA ATNTGATAAT TTGTCGTACA CGTACATTGT 66 GCAATAACAG TCACAATNAA TTCCTCAGCG CACCCATCAC CACGAATACG ATACATTAGA 126 TATTCTGAAC TTGCTCATCT TAGGACTTCA AA 155
10	SEQ ID NO:3290 SEQUENCE LENGTH:153 SEQUENCE TYPE:nucleic acid
15	TOPOLOGY:linear CLONE:HUMGS03863 SEQUENCE DESCRIPTION: GATCATAATA GTGACCAAAA TATACATGCA GACTTGTTTT TTATTATTGT TGTTTAAGCA 60 TAATTTAAGA AAAAAAATTT TTACCTGGTG AACTTGCTAT CTGCTCTGTT TCTAGTTAAA 120
	ANATAATANA TNTTATCTNC CCTGTGCTGT AAA 153
25	SEQ ID NO:3291 SEQUENCE LENGTH:144 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
30	CLONE:HUMGS03864 SEQUENCE DESCRIPTION: GATCTTCTTT CTTTTTACAG GAACAATTGG CTTCTTTGCA TGCTTTTGGT TTGTNACCAA 60 AATATACAGT GTGGTGAAGG TTGACTGAAG AAGTCCAGTG TGTCCAGTTA AAACAGAAAT 120
30	SEQ ID NO:3292 SEQUENCE LENGTH:163
35	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03865 SEQUENCE DESCRIPTION:
40	GATCATGGTG AACTTACCAA AGCAAACAAT GCCTGTAAGA TGGTCCTGCA GCAGCCAACC 60 AGTGAACTCT TTTGGTGACA TCCTGTTCTT GTTGTATAAC TTTATATTCC TATAAATCCA 120 TTAAGGCCCC AATAAAGTTT GTCTCTAAGC GCTGTGTTAG AAA 163
45	SEQ ID NO:3293 SEQUENCE LENGTH:149 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
50	CLONE:HUMGS03866 SEQUENCE DESCRIPTION: GATCCAAAAT TAGAGCTCAT CAGANTTGTC ATTGAAAGTG TTAACAAAAG TAATATCAAA 60 TGACATTGA AAAATATCCT TGTAAAATGA CTATATTAAT AGGTATAAGG NTTTTCCTTA 120

	TTAATCTAAT AAAATNCCTT	AATAGGAAA				149
5	SEQ ID NO:3294 SEQUENCE LENGTH:157 SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear CLONE:HUMGS03867 SEQUENCE DESCRIPTION:	·				
10	GATCAGGACA CTTAGCAAAT	CTAAAAATAA	ልል <b>ተ</b> ሮተ ልልሮፕሮ	TCATTCACA	ACCACACAAA	60
	GAAAAGTTAA ATACCAGATA					
	ATAANTAAAG TTCTTTTTTA			11110011000	011400010/1	157
15	SEQ ID NO:3295					
	SEQUENCE LENGTH: 148					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear			,		
20	CLONE: HUMGS03868					
	SEQUENCE DESCRIPTION:					
	GATCCGNTAG GAGTAGTAAA					60
	AGCTTCAGTA TTTAAACAAG		TGAAAATTAT	TTGTCATCAT	AAAAATGAAA	120
25	CAAANTAAAA TATTTATTGC	CAGGNAAA				148
	SEQ ID NO: 3296					
	SEQUENCE LENGTH: 332					
00	SEQUENCE TYPE:nucleic	acid				
30	TOPOLOGY: linear					
	CLONE: HUMGS03869					
	SEQUENCE DESCRIPTION:					
	GATCTCAGAG GCTCAGAGAC					
35	GAGCAGTTTC ATCTGGTTGT					
	CTTGGTGCCA CCAAAAGTGC					
	TGCACATCTG GAATTAAGGT					
	TTAGGAGCAG CAGTGTTCTC GGNTATTGAC ACGTGTNCNN			CINCIINAIN	NNNGGCCAAT	
40	dontatione accidinging	MUTITUUCA	GN			332
	SEQ ID NO:3297					
	SEQUENCE LENGTH: 147					
45	SEQUENCE TYPE: nucleic	acid				
45	TOPOLOGY:linear					
	CLONE: HUMGS03870					
	SEQUENCE DESCRIPTION:					
	GATCTNCTGT CCTCCTTTCA					60
50	AGTGCTATNA ACTITGTGTC		CAAGGGACCT	CAGTAATTNG	TTCTNTACAT	
	AAGTATATAT ATGGGTATTA	NTNNGTN				147

	SEQ ID NO:3298					
	SEQUENCE LENGTH: 355 SEQUENCE TYPE: nucleic					
5	TOPOLOGY: linear	acio				
	CLONE: HUNGS 03871					
	SEQUENCE DESCRIPTION:					
	GATCGCCCTC TACATGGCTT	CGCAGCCCAA	AAACAAATNA	GTTAGGCTGC	AGAGGACTGG	60
10	TTTGTTTTTT GGCATAAACC					
10	NTTNACTTGG ATGGCTTAAC					
	TGGTTTGTTT ATGAAANGCA					
	TTAAAGAANC GGTGCTTTGC					
	AGGGCTGANC ACAGGCTTNG	TTANTGTNCA	GTCTGTGCTG	GGGGNCCTCA	GGGGN	355
15						
	SEQ ID NO:3299					
	SEQUENCE LENGTH: 147					
	SEQUENCE TYPE:nucleic	acid				
20	TOPOLOGY: linear					
	CLONE: HUMGS03872 SEQUENCE DESCRIPTION:					
	GATCACCAGG GTCAGTTTNT	TTAATAATCC	<b>ፐ</b> ଫፕሮሮ ል ልሮፕሮ	CCCTAATACA	TT 1 4 CT 1 4 C 1	60
	NTGGNTGATA ACATGACCAG					
25	AAAGTCAAGA TTTNTTACAC			OGGETTIMON	TTUMMOTOTO	147
	SEQ ID NO:3300					
	SEQUENCE LENGTH: 147					
30	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03873					
	SEQUENCE DESCRIPTION:			TT 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		•
35	GATCCGCTAC TAAAAGTAAA TTTAATACAT GTGGTGAGTG					
	TAAGCNCCAC AAGANATATC		IAACIIIAAN	INAAAUIIIA	AUGCAAATIG	147
	THE CONTROL AND	ANALLIN				171
	SEQ ID NO:3301					
40	SEQUENCE LENGTH: 147					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear			•		
	CLONE: HUMGS03874			•		
	SEQUENCE DESCRIPTION:					
45	GATCTAAAAA AATTAAAAAG					
	TTCCTGGAGG AGCAGTTCCA		CTTNTTGCTT	GCNTCGTTTC	AAGGCCGGGA	
	CANTTTGGCC GAGCAGATGG	CTATNTN				147
	SEQ ID NO:3302					
50	SEQUENCE LENGTH: 147					

5	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03875 SEQUENCE DESCRIPTION: GATCATNTTA TTTTACAATC TACGGTGCTA ATNAGTAAAA AGAGTTTAAA AAATAAAATA	ATTTATAATG TATTGAAGGC				
10	AUAUTITEEN AARTAGERIK	INTUMM				111
70	SEQ ID NO:3303					
	SEQUENCE LENGTH: 147					
	SEQUENCE TYPE: nucleic	anid				
	TOPOLOGY: linear	aciu				
15	CLONE: HUMGS03876					
	SEQUENCE DESCRIPTION:					
	GATCTAGGGT CCTGGGTNTC	TTGCATTTAT	ATGTCAGAAA	AGGGGCGATA	TGCTGCTGAG	60
	GGGTGAGTGC ATATAANTNT					
20	GAAGAATAAA ANATTTCTTT					147
	SEQ ID NO:3304					
	SEQUENCE LENGTH: 150					
25	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS03877					
	SEQUENCE DESCRIPTION:					
	GATCTNACCC CCAGCATGAT					
30	CAGAAAATTC GACAGTCTGC	AATGCCAAAA	GGGTAAAAAT	CTGTATTTCA	CAGTTGTATA	120
	GAATAAAGGC TTTAGTTAAA	ATATTTCAAA				150
	SEQ ID NO:3305					
35	SEQUENCE LENGTH: 146	.,				
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear CLONE:HUMGS03878					
	SEQUENCE DESCRIPTION:					
40	GATCTAAAAA TAACTGTAAT	<b>TATTTAAAT</b> C	ACTAANAGGA	A A CT A C A T T T	TTTAAAATNC	60
	TGAAAATTGC CTTNNTGTGT	•				
	AAAANGTTAA CAGGCAAACA		Tumbinoord	Manoonniono	0.2.00.0.00	146
		11111011				
45	SEQ ID NO:3306					
	SEQUENCE LENGTH: 143					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03879					
50	SEQUENCE DESCRIPTION:					
	GATCCTCACC AACCTAAGCA	AGAGGAAGTG	CCCCTCTCAA	CCTGTGCGGG	NTGCTGCGTC	60

	CCAGGACTGA GACGCAGGCC ATAAATATTT CTTAATAAGG		CCTAGCCCTC	AGGCCTTCTT	TNTTATCCAA	120 143
5	SEQ ID NO:3307 SEQUENCE LENGTH:143 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03880 SEQUENCE DESCRIPTION:	acid				
	GATCAACAAG AGCACTGTAC CTGTAGACAA CATTTAACAC ATAAAGATTT ATTTCAAAC	CAGTCTATGG				
15	000 to No 0000					
20	SEQ ID NO:3308 SEQUENCE LENGTH:142 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03881 SEQUENCE DESCRIPTION:	acid			·	
25	GATCCCTTTA CTGGAGCCCA GTGAATAGGT AGGGATTTGC CTGGACCAGC TGTAAAAGTA	CTTGTTTTGT				60 120 142
30	SEQ ID NO:3309 SEQUENCE LENGTH:142 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03882 SEQUENCE DESCRIPTION:	acid				
35	GATCTGCACA TTTAATCGTG TGTTGCTTTG TAACTTTTTG AAAAAAACAA TTCCACACTA	CACTATTGTT				60 120 142
40	SEQ ID NO:3310 SEQUENCE LENGTH:141 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
45	CLONE: HUMGS03883 SEQUENCE DESCRIPTION: GATCCCTAAG CCCCCCAGCT AGGAGGAGCC CAGGCGTCTG AAAAGGTGCT CAGCCTCCAA	TTTATGTATT				
50	SEQ ID NO:3311					

5	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03884 SEQUENCE DESCRIPTION: GATCTTGGCC TTCGCAGTGC CCAGTGATGG CATTACTCTG CACTATAGCC ATTTNCCCCA 60 ACTTAAGTTT AGAAATNACA AGTTTCAGTA ATAGCTGAAC CTGTTCAAAA TGTTAATAAA 120 GGTTTCGTTG CATGGTAAA 139
10	100
15	SEQ ID NO:3312 SEQUENCE LENGTH:138 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03885 SEQUENCE DESCRIPTION:
	GATCTGGAAG ACAAGTAACA TCTTCCTTTT NTTGGTGCTC GCCTGCCGTG CTCTAGGTGC 60
20	TTTTAGAGAT GCTGGTCTGT GTGCTAGGGA AGCGATGAAC CATACTGTTA GTCTATTAAA 120 CATAACTCAA CCTGGAAA 138
25	SEQ ID NO:3313 SEQUENCE LENGTH:138 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03886 SEQUENCE DESCRIPTION:
30	GATCTATCTC TGTGTCCAAG TCTCCTCTTT TTATAAGGAA ACCAGTCATA ATGGACCCAC 60 CTGAATNACC TCATTTTAAC TTGATTACCT CTGTAAAAAA TGTATTTCCA AATAAAGTGA 120 CCTTATGAGG TATTGAAA 138
35	SEQ ID NO:3314  SEQUENCE LENGTH:136  SEQUENCE TYPE:nucleic acid  TOPOLOGY:linear  CLONE:HUMGS03887
40	SEQUENCE DESCRIPTION: GATCAACAAA TCTCCTAGGC CTNTNACCAC ATACATTTAC ACCNACTACC NCAACTATCC 60 ATAAATCTAA GTATAGCCAT TCCACTATNA GCTGGAGCCG TAATTACAGG CTTCCGACAC 120 AAACTAAAAA GCTAAA 136
45	SEQ ID NO:3315 SEQUENCE LENGTH:139 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03888
50	SEQUENCE DESCRIPTION: GATCCCACCT TCAACACCTT ACAAGTAAAG CCAATGAAGN ACAGTTGAAA CATGCAAAAT 60

	ATGGNGCTTT TCATGTAATT AATTGTGTGN CTANACAAA	ACTCTTTTAC	TGTTTACCAT	TCACTATAAT	TCACAATTAA	120 139
5	SEQ ID NO:3316 SEQUENCE LENGTH:133					
10	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03889	acid				
	SEQUENCE DESCRIPTION: GATCTGTGTA GTTAATGTAT GCAGAGCCTC GTATGTTTGT					120
15	AGTCCTCCTG AAA					133
	SEQ ID NO:3317 SEQUENCE LENGTH:132 SEQUENCE TYPE:nucleic	acid				
20	TOPOLOGY:linear CLONE:HUMGS03890	acru				
	SEQUENCE DESCRIPTION: GATCTGTGGA GTGTGTTTT	CAAAGAGAGA	ACTACAGAAA	TNTTAAAGCA	GGAAAACCTG	60
25	AATGTNATGT GCACATTTTC TTCAGATTCA AA	ATCCCACATG	GACAATGTAT	GTGTTTTAAT	AAATGGAATT	120 132
	SEQ ID NO:3318 SEQUENCE LENGTH:132					
30	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE: HUMGS03891 SEQUENCE DESCRIPTION:					
35	GATCAAATGT GGGCCCGTTT TAATTANTTG CCGTGCTTCC					
	TCTTGGTTTA AA	1001001011	MOTGOTTIME	111001110011		132
40	SEQ ID NO:3319 SEQUENCE LENGTH:132					
	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE: HUMGS03892 SEQUENCE DESCRIPTION:					
45	GATCATTATT ATTGTAATAG					60
	AGAAAATNAT AATCTTATAT TGANTGATTT AN	NICAAATGTG	UAIUCATATA	ACCIGINAGI	GAAAAANCAC	132
50	SEQ ID NO:3320 SEQUENCE LENGTH:131					

5	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03893 SEQUENCE DESCRIPTION:	acid				
	GATCATATTG CTGTAACTTC NTCAAAATNC TGGTTTTGTG GCATGGTTAA A					
10						
	SEQ ID NO:3321					
	SEQUENCE LENGTH: 131					
	SEQUENCE TYPE:nucleic	acid				
15	TOPOLOGY: linear					
	CLONE: HUMGS03894					
	SEQUENCE DESCRIPTION:			VIVIO TO COMPAN		
	GATCCTCAGT GTAGTTCTGA					60
	TATACTAAAG AATCCAGAGT	IGCIACAAIA	AAAIAAGGG	AAIAAIAAAC	IIGAGAGIGA	
20	AIAACCAIAA A					131
	SEQ ID NO:3322					
	SEQUENCE LENGTH: 131					
	SEQUENCE TYPE:nucleic	acid				
25	TOPOLOGY: linear	4014				
	CLONE: HUMGS03895					
	SEQUENCE DESCRIPTION:					
	GATCTTAGAG TTTGCACAGC	TTAAAAAATT	GGAAATATTG	GAATCTGAAT	CCAAAACAGC	60
30	CTGACTCAAA ACAATGTNCT	TNCCATTATG	CAAGGGAAAA	AAAAANGGT	TGGGTNTCAG	120
	NGNGAGGGTA N					131
	SEQ ID NO:3323					
35	SEQUENCE LENGTH: 433					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear		,			
	CLONE: HUMGS03896					
40	SEQUENCE DESCRIPTION:		m		C. D. D. D. C. C. C.	•
	GATCATAGTC TTAGGAGTTC					
	GTACCAGTCA GTGATTAAGT					
	TTATGACCTT AATAAAGTGT					
4F	TGTATAAAAC CAAATCTTGA CATTTTTGTA AAACTGCAGT					
45	AGCTGTGATA AGTGGAATGG		-		· ·	
	GTTAATGCTT TCTTTTTCCA					
	TGTACAGTTC AAA	20100110011	VIIIII	Adding MI IV	MIMMOIOII	433
						100
50	SEQ ID NO:3324					
	SEQUENCE LENGTH: 129					

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5	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO3897 SEQUENCE DESCRIPTION:					
	GATCCACCCA CCTCGGCCTC CCGGTTGCTG GCATCTTAAT TAATTGAAA					60 120 129
10	SEQ ID NO:3325 SEQUENCE LENGTH:129 SEQUENCE TYPE:nucleic	acid				
15	TOPOLOGY:linear CLONE:HUMGS03898 SEQUENCE DESCRIPTION: GATCTGGTAA ACTTNNAATC	<b>ΔΔΤΤΔΔΔΤΤ</b> Δ	ATCCANCAAT	A CATTATNA A	TATTA ACTGA	60
20	CCATTTAAGT TTTTNAATAA GCTTTCAAA					
25	SEQ ID NO:3326 SEQUENCE LENGTH:128 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO3899	acid				
30	SEQUENCE DESCRIPTION: GATCTGGAAA TNTTTTAATC CATTTAAGTT TTTNAATAAG CTTTCAAA					60 120 128
35	SEQ ID NO:3327 SEQUENCE LENGTH:127 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO3900	acid				
40	SEQUENCE DESCRIPTION: GATCCTGTAG TGCCTCTATA CAAAGATGTA ACAATTTTAA TATGAAA					60 120 127
45	SEQ ID NO:3328 SEQUENCE LENGTH:131 SEQUENCE TYPE:nucleic	acid				
50	TOPOLOGY:linear CLONE:HUMGS03901 SEQUENCE DESCRIPTION: GATCCATCGC GATACTATGT	GTGCATTATT	TGAAAGTTAT	TGGAAATTTT	ATTCAAACCG	60

	TGGAACAAAT GTATGTNATT ATTAAAATAA A	TTTTTATACT	TCTTAATTTA	AATAAAATAI	TTAATGCACT	120 131
5	SEQ ID NO:3329 SEQUENCE LENGTH:123 SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
10	CLONE: HUNGS03902					
	SEQUENCE DESCRIPTION:					
	GATCAGCCCT TTGTACAGAA CTTTTTGGCT TGTAAATAGC					
	AAA	TICTIGAACT	IIIIACAAIA	AAAAIGIIII	AGAAACTGTT	120
15					·	123
	SEQ ID NO:3330					
	SEQUENCE LENGTH: 123					
20	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
20	CLONE: HUMGS03903					
	SEQUENCE DESCRIPTION:					
	GATCATGACC GGAACATGGN	CTGGGTTTCC	ACCCAGCTCC	AGGCCACATG	CAATGTCCAC	60
25	AAGTNTGCCT TCAATNACTG					
	NNN					123
	SEQ ID NO:3331					
	SEQUENCE LENGTH: 205					
30	SEQUENCE TYPE:nucleic	acid				-
	TOPOLOGY: linear					
	CLONE: HUMGS03904					
	SEQUENCE DESCRIPTION:					
35	GATCGATTCA ATGCCCGATG					60
	TTTTATCAGG TGTATAAAGT AGNGNAAACT AAGCCTTTCG					
	AATAAACAGA CAGCAAAATG		madirondon	WOOCTTOTHT		205
40	SEQ ID NO: 3332					
	SEQUENCE LENGTH: 122 SEQUENCE TYPE: nucleic	: .				
	TOPOLOGY: linear	acid				
<b>4</b> 5	CLONE: HUNGS03905					
45	SEQUENCE DESCRIPTION:					
	GATCCTCAGG CGGCCCCCAC					60
	TCATCCTGCA CCCCTTCCAT	CCCACCTTCC	CTTTCAATAA	ACAGCTGGGA	TGGATACTGA	120
50	AA					122
	SEQ ID NO: 3333					

5	SEQUENCE LENGTH: 120 SEQUENCE TYPE: nucleic TOPOLOGY: linear CLONE: HUMGS03906	acid				
	SEQUENCE DESCRIPTION: GATCTGATTT TTTCCCCCTT CCAGGAGGGC ACAGCAGGGG					60 120
10	SEQ ID NO:3334 SEQUENCE LENGTH:119 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03907	acid				
15	SEQUENCE DESCRIPTION: GATCACCAGT GCATCCTTCA CCTGTCAACA AGGGGTCAAT					
20	SEQ ID NO:3335 SEQUENCE LENGTH:119 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
25	CLONE:HUMGS03908 SEQUENCE DESCRIPTION: GATCCATGAG GAAAAGATGC GAGCTCCCAG GGCAAGGGGT					60 119
30	SEQ ID NO:3336 SEQUENCE LENGTH:273 SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear CLONE:HUMGS03909 SEQUENCE DESCRIPTION: GATCAGATTG CATGTNACTC					60-
	GTCCCCAAAT CCGAACCTCC CTTTGGAAAA TGCATTGTAT AGTTACTCCA GTGCCAACAA NTTTTAACTC TGTCTNCACC	CGATGTTATG TCCTAGTGCT	TAAAAGGCCA TTCCTTTTTN	AACCTCTGTT	CAGTGNNNNT	180
	SEQ ID NO:3337 SEQUENCE LENGTH:119 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO3910	acid				
50	SEQUENCE DESCRIPTION: GATCACCATG AACAAAGNTA	<b>ተ</b> ልተ <b>ተተ</b> ሮሮተልተ	<b>ተ</b> ፐልጥጥልጥጥል	<b>ተልተ</b> ርተር <b>ሶል</b> ሶታ	TCAAGAAGTC	60

	ACTGTCAGAG AAATAAAGNN	TTGTCTAAAT	GTCATGTTGG	AGATNCCTTT	GCATNCTTN	119
5	SEQ ID NO:3338 SEQUENCE LENGTH:118 SEQUENCE TYPE:nucleic	acid				
10	TOPOLOGY:linear CLONE:HUMGS03911 SEQUENCE DESCRIPTION:					
	GATCAGGACT TCAAGGGCCA AGTGAAAACC TTGAAATGGC					60 118
15	SEQ ID NO:3339 SEQUENCE LENGTH:118 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
20	CLONE: HUMGS03912 SEQUENCE DESCRIPTION:					
·	GATCCAAATN ATGGCCACAG AAATNCTCCT CTGTTTAGAG					60 118
25	SEQ ID NO:3340 SEQUENCE LENGTH:118 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid			•	
30	CLONE: HUMGS03913 SEQUENCE DESCRIPTION: GATCCTCCTG GCCGCCCCGC CGGGCCCCTC CAGTGGAATG					60 118
35	SEQ ID NO:3341 SEQUENCE LENGTH:351 SEQUENCE TYPE:nucleic	acid	·			
40	TOPOLOGY:linear CLONE:HUMGS03914 SEQUENCE DESCRIPTION: GATCCCAGGT GCGTGTNTCT	<b>ር</b> ፐርፕሮ <b>ፐ</b> ር <b>ፕ</b> ር	<b>TAGCCCCTCT</b>	CTCACACATC	ΔΓΑΤΤΓΓΓΑΤ	60
	GGTGGCCTCA AGAAAGGCCC CCCTGCGTCG GCCCTGGGGT	GGAAGCGCCA	GGCTGGAGAT	ANCAGNCTCT	TNCCCGTCGG	120
45	CACTTCCCCT TGTNTCCCTG GAAGGGNGNG GGGCGGGTCT TTTGGNAAGG GTNGGCGTTT	ATGGGGGAGA	ANGGGAGCGA	GNTCAAGAGG	TGGGCATGGG	
50	SEQ ID NO:3342 SEQUENCE LENGTH:117 SEQUENCE TYPE:nucleic	acid				

5	TOPOLOGY:linear CLONE:HUMGS03915 SEQUENCE DESCRIPTION: GATCATGCCG CTGCACTCCA ACCTGGGCAG CAGTGCAAGA CTCTGTCTCA AAAGGGGAAA 60 AAAAAAAANT TNCTGATGTG NCCCATGAAG GGACCTCATT TNCCTCGNAA TTTTGGN 11	-
10	SEQ ID NO:3343 SEQUENCE LENGTH:116 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
15	CLONE: HUMGS03916 SEQUENCE DESCRIPTION: GATCGGCCGT ACCAGCCGCC CCGCCCGCCG GTGGGCGCTC TCGGACTACT CGCTGTACTT 60 GCCGCTCTGA GTCAGTGGCC CCTTCGTTCC TTGTAAATAA ATCCCGCCCC CGGAAA 116	
20	SEQ ID NO:3344 SEQUENCE LENGTH:116 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
25	CLONE:HUMGS03917 SEQUENCE DESCRIPTION: GATCCAGACA AGTGGGAGAG CCCGTGGGGG CAGGGGACCT GGAGCTGCCA GCACCAAGCG 60 TGATTCCTGC TGCCTGTATT CTCTATTCCA ATAAAGCAGA GTTTGACACC GTCAAA 116	
30	SEQ ID NO:3345 SEQUENCE LENGTH:116 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
35	CLONE:HUMGS03918 SEQUENCE DESCRIPTION: GATCTCATAA GAAATGTAAT ATGTAAATAA TATCTTGCTT TATGTTGTAA AATATACATT 60 GTTTGCNCTA GAATAGAAAT AATTTCTTTT CAATAAAAAG AAAGAAGGAC TCTAAA 116	
40	SEQ ID NO:3346 SEQUENCE LENGTH:116 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
45	CLONE: HUMGS03919 SEQUENCE DESCRIPTION: GATCGTTGTG TTGTTATTTT ACTGCACTTT TTACTTTTTT NCGTGTGGAG CTGTATTCCC 60 GAGACCAACG AAGCGTTGGG ATACTTCATT AAATGTAGCG ACTGTCAACA GCGAAA 116	
50	SEQ ID NO:3347 SEQUENCE LENGTH:116 SEQUENCE TYPE:nucleic acid	

5	TOPOLOGY:linear CLONE:HUMGS03920 SEQUENCE DESCRIPTION: GATCAAGGCC AAATAACCCG ATTTGGTTTG GGCACTCAAG CAATAGTAAA GCCTGTAAGA 60 CATGATAGGA TTATNTTCCC CTTTGGATTT AAATNTAATA TAGCAGTTGG ATTAAA 116
10	SEQ ID NO:3348 SEQUENCE LENGTH:115 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
15	CLONE: HUMGS03921  SEQUENCE DESCRIPTION: GATCCTGTAG ACCCTTTCTT TTGGCCAATT TCCCCCTTTT TGGGATGGAA ACATTTACCC 60 AATCCCTATA CCCCCATTGT ATCTTGGAAG TAAATAATTT GTTTTTGATT TTAAA 115
20	SEQ ID NO:3349 SEQUENCE LENGTH:115 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
25	CLONE:HUMGS03922  SEQUENCE DESCRIPTION: GATCTCTTCA CTGTNAAAAG TTGCCCGGGT GCAGCGCCTT TCCCTTCTAN CATGGGAAAT 60 GCAGGCTGGG CCCTTGGGNT NAGCCTGCGG GGCTCTGGTG CTGTCCCCGA CCCNN 115
30	SEQ ID NO:3350 SEQUENCE LENGTH:113 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
35	CLONE:HUMGS03923 SEQUENCE DESCRIPTION: GATCCACTGT TTGCAGCAGA ATTATATATA TGTATAGGAA AAATCCACTT TGAATAATCC 60 ATGTTTTGTA TTTGGAAATT GTTTTTAAAA ATAAAAAGGA AAGGAAATAT AAA 113
40	SEQ ID NO:3351 SEQUENCE LENGTH:113 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
45	CLONE: HUNGS03924  SEQUENCE DESCRIPTION:  GATCTAGGCA GTGGGTTAAG CCAGACCCCT AAAAGTGACC CTTTCCTCTT CTGCCCTATT 60  CTNCTNAGAC CCTCAGAAAG NNNTCCAATT TTTTAAAATC CCTGTAGCTC CAN 113
50	SEQ ID NO:3352 SEQUENCE LENGTH:117 SEQUENCE TYPE:nucleic acid

5	TOPOLOGY:linear CLONE:HUMGS03925 SEQUENCE DESCRIPTION: GATCTGATGA ATTGGTTTTT GAATCCCAGA AANGGTCTGC CATGGAGTTG GCAGTCATCA 60 CGGTAGATGG CGTATGATTT TCCTGAATTT TAAATAAAAT GAAAACCATA AATTAAA 111	_
10	SEQ ID NO:3353 SEQUENCE LENGTH:112 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
15	CLONE: HUMGS03926 SEQUENCE DESCRIPTION: GATCAGAGCT GTTAGGTAAA GGCCTAACCA CCTCCCTGCA GNCTCTTAAN TCTCAAGCTT 60 TAGGAACCCA TTTCTAAANG TACACTAGCG GAGANTTTAT ATTGTCAGCC NN 112	
20	SEQ ID NO:3354 SEQUENCE LENGTH:111 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
25	CLONE:HUMGS03927  SEQUENCE DESCRIPTION: GATCACGGTA CGTCCATAAA GCCAGTATTA CACTTAAATN NAGTATTCTT TTTTGTAATC 60 GTTTTTTTTA GAAGGTAAAC AAATTTAATA AAGCTACCAA TAATGTTGAA A 111	
30	SEQ ID NO:3355 SEQUENCE LENGTH:111 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
35	CLONE:HUMGS03928 SEQUENCE DESCRIPTION: GATCTAGAAA NTGCCCTCCT TATACCCCTA CCATGAGCCC TACAAACAAA AAACCTGCCA 60 CTAATAGTAT GGTCATCCCT CTNANTAAAN CATCATCCTG GCCCTAAGGN N 111	
40	SEQ ID NO:3356 SEQUENCE LENGTH:111 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
<b>4</b> 5	CLONE:HUMGS03929  SEQUENCE DESCRIPTION: GATCTTTGCA ATTNAAGGNT TAGCCACGTG GCTTGCTTCA GCNAGTAATG TGAATGGAAA 60  TAACGTGTAT CANTGCTGGA TAGAAAACTT AANAGCCAAC ACATGGTTCC N 111	
50	SEQ ID NO:3357 SEQUENCE LENGTH:110 SEQUENCE TYPE:nucleic acid	

5 .	TOPOLOGY:linear CLONE:HUMGS03930 SEQUENCE DESCRIPTION: GATCCCGTAG AATATATATT TCAGTAACAC AAGCTTCTTT	TAATAATCCC				60 110
10	SEQ ID NO:3358 SEQUENCE LENGTH:110 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
15	CLONE:HUMGS03931 SEQUENCE DESCRIPTION: GATCTCCGTG GTGGTCGTGG CGGCAAGACG GCCGAGTACG				TCCTGGTCAC	60 110
20	SEQ ID NO:3359 SEQUENCE LENGTH:115 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
25	CLONE:HUMGS03932 SEQUENCE DESCRIPTION: GATCCTTCGA AGCACTCAGT TGCCACTATG TGTGTGTTTT					60 115
30	SEQ ID NO:3360 SEQUENCE LENGTH:214 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				•
33	CLONE:HUMGS03933 SEQUENCE DESCRIPTION: GATCCACTAA TGTAGCTTAA GTATTGGTGT AAGAGTTGAT AAACATTTTG CATCCCTTTT	GAATGACTTT GTGACCTAAT	AGCTGTGTGA TTACAGNCAT	ATATATATA	GTCAAACTGC	180
40	GCTTTGCCGT TTAATAAAAA	GCTATTTCAG	NAAA			214
	SEQ ID NO:3361 SEQUENCE LENGTH:110 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03934 SEQUENCE DESCRIPTION:	acid				
50	GATCANAGAT TTCAATNACA ATTTCTNCTT TAATGTTCAC SEQ ID NO:3362				ATTGTNTTNA	60 110

5	SEQUENCE LENGTH:108 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03935 SEQUENCE DESCRIPTION: GATCTTCCCC TGACCTGCTC CCAGGGCTAT AACAGATACG GACTTTGAAA CTGTATGGAG 6 TATAGAGCAG TGCTCTATAA TTTAAAATAT ACATATATTG CAACCAAA 10	
10	SEQ ID NO:3363 SEQUENCE LENGTH:363 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
15	CLONE: HUMGSO3936 SEQUENCE DESCRIPTION: GATCTTCAGC TTGGTAGATT TAATTGCCCA GTGAATGGCA CTTACGTTTT CATTTNNAC 6	0
	ATGCTAAAGC TGGCAGTGAA TGTNCCACTG TATGTCAACC TCATGAAGAA TGAAGAGGTC 12	0
20	TTGGTATCAG CCTATGCCAA TNATGGTGCT CCAGACCATG AAACTGCTAG CAATCATGCA 18	
	ATTCTTCAGC TCTTCCAGGG AGGCCAGATA TGGTTACGNC TGCACAGGGG AGCAATTTNT 24	0
	GGAAGTAGCT GGGAAATATT CTACGGTTTC AGGCTATCTN CTTTTATCAA GGTTTGAATG 30	0
	TCAGTNCAGT NTTTGACNAC TAAAAGGNNT NGGGGTNCTA ATTANGTNGG GTTTGAAGGG 360	0
05	TAN 36:	3
25		
30	SEQ ID NO:3364  SEQUENCE LENGTH:106  SEQUENCE TYPE:nucleic acid  TOPOLOGY:linear  CLONE:HUNGS03937  SEQUENCE DESCRIPTION:	•
		0
35	GGCATGGCCG ATGTCACTCA GCCCCTTCCC GGTCCGCCCN NTTCCN 10	ь
40	SEQ ID NO:3365 SEQUENCE LENGTH:105 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO3938 SEQUENCE DESCRIPTION:	
	GATCGTTTTT TCCAGAGTCG CGGGGACACA GGAGTNTTCC TACAGTACAT NCACGCCCGC 6	0
45	NTCCACAGTT TGGAAGAGAC TTTTGGATGT GGGTACNTGA NTGAN 10	15
50	SEQ ID NO:3366 SEQUENCE LENGTH:105 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUNGS03939	

	SEQUENCE DESCRIPTION:					
	GATCATCTAA AAAATGCCAT	GANTGGAAAT	NCGAAGGCCC	AGACACCAAT	ATTTCNTAGA	60
	AGTAAACAGC TCAAAGACAC					105
5						
	SEQ ID NO:3367					
	SEQUENCE LENGTH: 104					
	SEQUENCE TYPE:nucleic	acid				
10	TOPOLOGY: linear					
•	CLONE: HUMGS03940					
	SEQUENCE DESCRIPTION:					
	GATCCAGTGG GGTCCGGACA	CTGGGCCCCG	CAGCGAAAGC	ACGNTCCAGC	CACCAGGAGG	60
15	CCACCTATTN TTTCAAAATA	AAGACTGCGT	TCCTCTCTTG	GAAA		104
15						
	SEQ ID NO:3368					
	SEQUENCE LENGTH: 104					
	SEQUENCE TYPE:nucleic	acid				
20	TOPOLOGY: linear					
	CLONE: HUMGS03941					
	SEQUENCE DESCRIPTION:					
	GATCAAAAAA GAAGAGTTAA	AACAACACAT	GTAAATNCCT	TTTAATATTT	NATGGGAATG	60
25	CCTCTCATTT AAAAATAGAA	ATAAAGCATT	TTGTTAAAAA	GAAA		104
	SEQ ID NO:3369					
	SEQUENCE LENGTH: 104					
	SEQUENCE TYPE:nucleic	acid				
30	TOPOLOGY: linear					
	CLONE: HUMGS03942					
	SEQUENCE DESCRIPTION:					
	GATCCTTTAT CTTTCCATAT				TAATATTAAA	
35	TTAAAACCTT TACTTNTGTA	TAATAAATNA	AAACTCAGAA	TAAA		104
	ana in no come					
	SEQ ID NO:3370					
	SEQUENCE LENGTH: 104					
40	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03943					
	SEQUENCE DESCRIPTION:	CCTCAACTAN	TATCTACCAA	CCCACTACNA	NCACCCCACC	60
	GATCTGGAAG AGGCTTGTAA				NUAGUUUACU	104
45	AGTGTAATCT CCCTGNATTA	AUGUATIOTI	AAAAACI IAG	GCNN		104
	SEQ ID NO:3371					
	SEQUENCE LENGTH: 104		•			
	SEQUENCE TYPE:nucleic	acid				
50	TOPOLOGY: linear	acra	•			
	CLONE · HIMGSO3944					

	SEQUENCE DESCRIPTION: GATCCGCTCT GGTCAAACCC GGAAGGCANN CTGATGGGGC				TNACCTGCTG	60 104
5	SEQ ID NO:3372 SEQUENCE LENGTH:102					
10	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03945 SEQUENCE DESCRIPTION:	acid				
15	GATCAAAATT TNTTGATAAT GAAAACTTAG AAAAATATAA				AGAAATTGCT	60 102
	SEQ ID NO:3373 SEQUENCE LENGTH:105 SEQUENCE TYPE:nucleic					
20	TOPOLOGY: linear CLONE: HUMGS03946 SEQUENCE DESCRIPTION:	acid				
25	GATCAATAAT TTAAATGTAA AACATAACTA ATCTGTAAAT				TTGTGTATAT	60 105
30	SEQ ID NO:3374 SEQUENCE LENGTH:99 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acîd				
30	CLONE:HUMGS03947 SEQUENCE DESCRIPTION: GATCATTTAG TACTTTTGTN	TTCTCCCATG	TGCTTGAAGG	AAAAATAAAG	TGTCACTACC	60
35	GTATTTNTTG TTTTCATCAA				101011011100	99
	SEQ ID NO:3375 SEQUENCE LENGTH:97 SEQUENCE TYPE:nucleic	acid				
40	TOPOLOGY:linear CLONE:HUMGS03948 SEQUENCE DESCRIPTION:					
45	GATCTTTAGC ACAGTGATAT ACCCACATAT GAAGAATAAA			GGTCTAGAAT	CTGTACCCTT	60 97
	SEQ ID NO:3376 SEQUENCE LENGTH:97 SEQUENCE TYPE:nucleic	ani d				
50	TOPOLOGY: linear CLONE: HUMGS03949	aciq				

5	SEQUENCE DESCRIPTION: GATCAATAAT AATNAGGAAA AAANATTAAA AGGCTAACAT			AGTTGAAAGC	ACTTATTGGA	60 97
10	SEQ ID NO:3377 SEQUENCE LENGTH:94 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03951 SEQUENCE DESCRIPTION:	acid				
15	GATCCCCCTC CTTCCCCCTC GAAATAAAAT AGAAATATGT			CTGCTGGAAA	ATNACATCCG	60 94
	SEQ ID NO:3378 SEQUENCE LENGTH:93 SEQUENCE TYPE:nucleic	aaid				
20	TOPOLOGY:linear CLONE:HUMGS03952 SEQUENCE DESCRIPTION:	acid				
25	GATCCTAAAC TTTTTGGATA NAGATTAAAA TAAAANATGC			TTGAATTTAA	TCATTGTNCT	60 93
30	SEQ ID NO:3379 SEQUENCE LENGTH:91 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03954	acid				
35	SEQUENCE DESCRIPTION: GATCTGGAAA TCCCTGCTGT TTTTAAATAA AACCATTCCT			CTGGAAATAA	TTAGTTTTTG	60 91
	SEQ ID NO:3380 SEQUENCE LENGTH:91 SEQUENCE TYPE:nucleic	acid				
40	TOPOLOGY:linear CLONE:HUMGS03955 SEQUENCE DESCRIPTION: GATCTATGGC -CTCTGGTGCT	<b>TTGTCCTGT A</b>	<b>TTTCCTTT A A</b>	<b>ጉ</b> እምተ <b>ጥተ</b> ርጥር	CTAATCTCTT	• 60
45	CAATCAATAA AATTGTGCGT			INITITITIE	CIAAICICII	91
50	SEQ ID NO:3381 SEQUENCE LENGTH:91 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				

	SEQUENCE DESCRIPTION:					
	GATCAACTNA ATGTTTAAGA	CTTTAGATGT	CTTGTATTAA	AAATTACACA	AAAAAGTAA	60
	AACTITITAT ACTIACCCTT	TTAACTCTAA	A			91
5						
	SEQ ID NO:3382					
	SEQUENCE LENGTH: 90					
	SEQUENCE TYPE: nucleic	acid				
10	TOPOLOGY:linear					
	CLONE: HUMGS03958					
	SEQUENCE DESCRIPTION:					
	GATCTCTGTA ATNTTATNTA	${\tt GAGTTTGAGC}$	TGAAGCCCCG	TATATCTAAT	NTATTTTGTT	60
	AAACATGAAA GTGCATCCTT	TCCCTCCAAN				90
15						
	SEQ ID NO:3383					
	SEQUENCE LENGTH: 88					
	SEQUENCE TYPE: nucleic	acid				
20	TOPOLOGY:linear		•			
	CLONE: HUMGS03959					
	SEQUENCE DESCRIPTION:					
	GATCATACCT ATTAAAATAA		CAAATATGAA	TTTNATGATG	TACACTTTGT	60
25	GCTTGGCATT AAAAGAAAAA	AACACAAA				88
	SEQ ID NO:3384					
	SEQUENCE LENGTH: 88					
	SEQUENCE TYPE:nucleic	acid				
30	TOPOLOGY: linear			•		
	CLONE: HUMGS03960					
	SEQUENCE DESCRIPTION:					~~
	GATCAAGAAG ACGNNTAAGG		CACAGTGAAA	ANCCAAAAAA	AGAAAAAAT	60
35	GTTTATACAA CCCTAAGTCA	ATAACCTN				88
	480 10 NO 0005					
	SEQ ID NO:3385					
	SEQUENCE LENGTH:87					
40	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03961 SEQUENCE DESCRIPTION:					
	GATCTAGGCA CACCINGCTC	<b>ጥጥህሮ</b> ር <b>ጥ</b> ሮር ልጥ	CTCCTTATNA	A C A NCTTCC A	GTGGAAGTCG	60
	AATAAACAGT TTTTGGTAAA		GIGGIIAINA	ACANCIICCA	GIGGANGICG	87
45	ANIAMACAGI IIIIUUIAAA	ICICAAA				01
	SEQ ID NO:3386					
	SEQUENCE LENGTH: 85					
	SEQUENCE TYPE: nucleic	acid				
50	TOPOLOGY: linear	uci u				
	CLONE · HIMGS03962					

	SEQUENCE DESCRIPTION:					
	GATCCTGCCC TGAATCTCCA	TAGTCTCCAC	TGTGAACTGA	GGAGGGGAGG	GGTGTGCTGG	60
	GGAATAAATC TTGTATGAGA					85
5						
	SEQ ID NO:3387					
	SEQUENCE LENGTH: 84					
	SEQUENCE TYPE:nucleic	acid				
10	TOPOLOGY:linear					
	CLONE: HUMGS03963					
	SEQUENCE DESCRIPTION:					
	GATCCATTTA NAGGCCAAAT	NTCATTCTGC	AGGTGCCTTC	CCGATGGATT	AAAGGTGCTT	60
	ATNTTTTTT AAGTTTNAAG	TAAA				84
15						
	SEQ ID NO:3388					
	SEQUENCE LENGTH:81					
	SEQUENCE TYPE: nucleic	acid				
20	TOPOLOGY:linear					
4	CLONE: HUMGS03964					
	SEQUENCE DESCRIPTION:					
	GATCGTGTTC ATTTTGNTTT	CCGATTCTAG	ATATAAGTTT	TGNATGGGCA	GGAAGACTAA	60
25	AATAAAAGTT TTTAAGGTAA	A				81
	SEQ ID NO:3389					
	SEQUENCE LENGTH: 81					
30	SEQUENCE TYPE:nucleic	acid				
30	TOPOLOGY: linear					
	CLONE: HUMGS03965					
•	SEQUENCE DESCRIPTION:			N		
	GATCTCCAGA TGTAATTTCC		TTAAANTAAT	NTAAAGATTA	CTAAAACAAT	60
35	AAAANCTCCT AAAAANTCAA	A				81
	SEQ ID NO:3390					
	SEQUENCE LENGTH: 88					
	SEQUENCE TYPE:nucleic	acid				
40	TOPOLOGY: linear	ucru				
	CLONE: HUMGS03966					
	SEQUENCE DESCRIPTION:					
	GATCTTTCTT TCCAAAACAT	TTCTGGACAG	TACCTGATTG	TATTTTTTT	TTTAAAATAA	60
45	AAGCACAAGT ACTTTNGNGN					88
	SEQ ID NO:3391				•	
	SEQUENCE LENGTH: 76				•	
50	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUNGS03967					

	SEQUENCE DESCRIPTION:					
	GATCCCCCCA CAGCCCCTGG	TCAGTCTGCC	CTTGTCACTG	GTCTGAGGTC	ATTAAAATTA	60
	CATTGAGGTT CCTAAA					76
5 ,						
	SEQ ID NO:3392			•		
	SEQUENCE LENGTH: 78					
	SEQUENCE TYPE:nucleic	acid				
10	TOPOLOGY: linear		·			
	CLONE: HUNGS03968					
	SEQUENCE DESCRIPTION:					
	GATCACAATC ATTTTGAATC CTGTTTTTAT GGAATAAA	CUTCTTCCTC	ACTITITIT	CTAAGAAAAT	AAACATTTTA	60
15	CIGITITIAL UGAATAAA					78
	SEQ ID NO:3393					
•	SEQUENCE LENGTH: 73					
	SEQUENCE TYPE:nucleic	acid				
20	TOPOLOGY: linear	4014				
	CLONE: HUMGS03969					
	SEQUENCE DESCRIPTION:					
	GATCACAGCT GACATTTACA	AAATATTTTT	NTACCTTAGA	ATTTCTGCAT	TAAATAAAT	60
25	ATTTTGTTTT AAA					73
25						
	SEQ ID NO:3394					
	SEQUENCE LENGTH: 68					
	SEQUENCE TYPE:nucleic	acid				
30	TOPOLOGY: linear					
	CLONE: HUMGS03971					
	SEQUENCE DESCRIPTION:	4004004000	######################################			
	GATCTTTTGC TAATGCAATT TCATAAAA	AGNATTATGT	TTTGCATGTA	TGACTTAATA	AATCCTTGAA	60
35	ICATANAA				•	68
	SEQ ID NO:3395					
	SEQUENCE LENGTH: 67					
	SEQUENCE TYPE:nucleic	acid				
40	TOPOLOGY: linear					
	CLONE: HUMGS03972					
	SEQUENCE DESCRIPTION:		•			
	GATCCTCTAA ATNTGGAATT	TTGATGTAAT	AACTGCTAAT	AAAATNATAT	TGAAACTGTT	60
45	TTATAAA					67
	SEQ ID NO:3396	•				-
	SEQUENCE LENGTH: 65					
	SEQUENCE TYPE:nucleic	acid				
50	TOPOLOGY: linear	· = =				
	CLONF · HIMGS03973					

5	SEQUENCE DESCRIPTION: GATCAAAGCC CGGAAAGGCA TCAAA	AATGAAGCNT	CATGTGTAGT	GTAATAAAGN	TGTCTGCTGT	60 65
10	SEQ ID NO:3397 SEQUENCE LENGTH:65 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
15	CLONE:HUMGS03974 SEQUENCE DESCRIPTION: GATCGAAGCC TGTGTAAAAT TTAAA	GCTACCAAAT	GGCAAAAAGC	AACAATAAAC	AGTTTGATTT	60 65
20	SEQ ID NO:3398 SEQUENCE LENGTH:64 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03975	acid				
25	SEQUENCE DESCRIPTION: GATCCCCAAT ATATCTACCA TAAA	TTGTATGTTA	AATAAATNAC	CATTTTTGTA	GAAAAAATTC	60 64
30	SEQ ID NO:3399 SEQUENCE LENGTH:71 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO3976 SEQUENCE DESCRIPTION:	acid				
35	GATCTGTAAA TNACTTTAAA ATACTCTCAA A	AGCTATTTTA	GTAATTTAAA	TAAATTTACT	TTCTTGGTTT	60 71
40	SEQ ID NO:3400 SEQUENCE LENGTH:63 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03977	acid				
45	SEQUENCE DESCRIPTION: GATCTCTATA NTTTTTTTA AAA	AATTTTCTCC	AGCCTGGGTG	ACAGAGCGAN	ACTCCGTCTC	60 63
50	SEQ ID NO:3401 SEQUENCE LENGTH:63 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03978	acid				

	SEQUENCE DESCRIPTION: GATCTCCTGC TGCCTTTCCT	GGAGTTTGTA	AAATTNTNCC	TGAATACAAG	CCTATGCGTG	60
5	AAA ,					63
10	SEQ ID NO:3402 SEQUENCE LENGTH:62 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03979	acid			·	
	SEQUENCE DESCRIPTION: GATCCAAGCA TAGTAGAAAA AA	GCTTCATGTG	TTTTAAAAAA	TAAACAATAA	CAAAAAATTA	60 62
15						
20	SEQ ID NO:3403 SEQUENCE LENGTH:61 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
25	CLONE:HUMGS03980 SEQUENCE DESCRIPTION: GATCATGTGT TCTGGAGAGT A	GTTCTTTATT	CAATAAAGTT	TTAATTTAGT	ATAAACATAA	60 61
	070 ID NO 0404					
3 <b>0</b>	SEQ ID NO:3404 SEQUENCE LENGTH:61 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO3981 SEQUENCE DESCRIPTION:	acid				
	GATCTAATTT TTCAAACCTT	CACTATTTTG	AAAATATAAC	CAAGGCCGGT	TGCGGTGGAA	60
35	A					61
40	SEQ ID NO:3405 SEQUENCE LENGTH:60 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO3982 SEQUENCE DESCRIPTION:	acid				
	GATCATGAAA CTGATTGTAA	AGCTTTTTGA	CAACTAATAA	ATGTCTTGGT	AATTGCTAAA	60
45						
	SEQ ID NO:3406					
	SEQUENCE LENGTH:59 SEQUENCE TYPE:nucleic	acid				
50	TOPOLOGY: linear CLONE: HUMGS03984 SEQUENCE DESCRIPTION:	aciu				

	GATCAATGGA TTTGTTTACA	ATGTGATATT	TTCTATTAAA	TCCAGTATTT	TCAAATAAA	59
5	SEQ ID NO:3407 SEQUENCE LENGTH:58 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03985	acíd				
. 10	SEQUENCE DESCRIPTION: GATCTTGTAC TAACTTATGA	TAGAATGTAT	CAGAATAAAT	ATTTTTAACA	GTGTTAAA	58
15	SEQ ID NO:3408 SEQUENCE LENGTH:53 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03986 SEQUENCE DESCRIPTION:	acid				-
20	GATCATNAAA GTATACAAAA	TAAATAAAGT	AGGAGATTTT	TTTGCTGTTT	AAA	53
25	SEQ ID NO:3409 SEQUENCE LENGTH:121 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03987 SEQUENCE DESCRIPTION: GATCTGTTTA GTGAGATTTA TNTTCCCAAT CGGTAGAAAT	GCATGTGTGA				
	A					121
. 35	SEQ ID NO:3410 SEQUENCE LENGTH:51 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
40	CLONE: HUMGS03988 SEQUENCE DESCRIPTION: GATCATTGTT AAAGGATTGC	TGCAAATAAA	TACACTTTAA	TNTCAGTCAA	A	51
45	SEQ ID NO:3411 SEQUENCE LENGTH:60 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03989 SEQUENCE DESCRIPTION:	acid				•
50	GATCTTTAAA ACATTTTTAA	TGAACTAAGT	TGAATAAAGG	CACAATTAAA	AACTGTCAAA	60

5	SEQUENCE LENGTH:53 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03993 SEQUENCE DESCRIPTION: GATCAAACAG AAGCAGCCGT GGGCAAAATA CAATTTCATT TAACAAATTG AAA 53	
10	SEQ ID NO:3413 SEQUENCE LENGTH:521 SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
15	CLONE: HUMGS04020 SEQUENCE DESCRIPTION: GATGTATAG GAGGAGGGGGGGAAATGGTTT GGGTTGAAAGG TTGGGTTAGAGGTTAGAGGTTGAGGGTTGAGGGTTGAGGGTTGAGGGTTGAGGGTTGAGGGTTGAGGGTTGAGGGTTGAGGGTTGAGGGTTGAGGGTTGAGGGTTGAGGGTTGAGGGTTGAGGGTTGAGGGTTGAGG	
	GATCTCATAG GACGGAGGG GAAATGGTTT CCCTCCAAGC TTGGGTTAGT GTGTTANCTG 60 CTTATCAGCT ATTCAGACAT CTCCATGGTT TCTCCATGAA ACTCTGTGGT TTCATCATTC 120	
	CTTCTTAGTT GACCTGCACA GCTTGGTTAG ACCTAGATTT AACCCTAAGG TAAGATGCTG 180	
20	GGGTATAGAA CGCTAAGAAT TTTCCCCCAA GGACTCTTGC TTCCTTAAGC CCTTCTGGCT 240	
	TCGTTTATGG TCTTCATTAA AAGTATAAGC CTAACTTTGT CGCTAGTCCT AAGGAGAAAC 300	
	CTTTAACCAC AAAGTTTTTA TCATTGAAGA CAATATTGAA CAACCCCCTA TTTNGTGGGG 360	
	ATTGAGAAGG GGTGAATAGA GGCTTGAGAC TTTCCTTTGT GTGGTAGGNC TTGGAGGAGA 420	
25	AATCCCCTGG NCTTTCACTA ACCCNTNTGG ACATACTNCC CACAACCCAG TTNGATGGGN 480	
25	TTTCCCGTAA TAAAAAGGGN TNGGGNNTTN CCTTTTTGAA A 521	
30	SEQ ID NO:3414 SEQUENCE LENGTH:501 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUNGSO4021 SEQUENCE DESCRIPTION:	
35	GATCAGAAAT NACTGTGTCA TGGTGCTCAT TCACTGCAAA CTCCCAGTTG NAAGCTCCTT 60	
	GGCTCCCCCG GAGGAGCAAG AATCTCATAG TTCAGAGACA CAGAGGGCCT TTTAGCCCTA 120	
	ATNACCTTTT GGATGGGACT GCAACTCATG ACTATCCTGA TATTGGAAGA AAGGACTTTG 180	
	TTAATCTTCT CCCCCATAGC TCTGCTGCGT AGGTCTACAT CTTACTCAGA ATCACTACAC 240	
	ATTCCTTTAG TCTTCCTCCA AGCTCCAGAG CCATTGGTAC AAATGCTTTA TTGAAACTAA 300	
40	ATACATANTN NACACAATGA GATGAAGACA ATATAGANGT NCGCATAGTC ATCATAATCC 360	
	CGTTCCTTGG CCGGTTGAGG CAGCTCAGTG GCTGAGCCCA GTCAAGCCAA CCCGGNAGTT 420	
	TCACTCACGG CNTTCAAGGN TTTTGATGCT AATTCTTTTG GGTTTCCTAC AGTTTATTAA 480	
	ATAAGTNGTC TGNGTGGGAA A 501	
45		
	SEQ ID NO: 3415	
	SEQUENCE LENGTH: 485	
	SEQUENCE TYPE: nucleic acid	
50	TOPOLOGY: linear	
	CLONE: HUNGSO4022	
	SEQUENCE DESCRIPTION:	

.

	GATCTCAGTG AACTAATACA CAGCTTGAGC GTTTCCATGT GCTAATGTTG CACATTTACT 60
	AAAAAACTTT GGAAATGGAA AATAATGTAT TAGTGCAACA GTTGATGTGC TTCTTTGGGC 120
	AAAGATATAG TTTTGTTCCA CAATTTGTAC TTAAAAGCGA AAGAACATTG AAAACATAGA 180
5	CTTACTGGCT GTAGCAATGC TGGCCTGTTA ACTGATAACT AGAACTTAGG TTCACGTTTA 240
	TGTAAAGTGT GTAAAACCTA GTAGAGCTTG CATAGTCGGG CACTCAGTAA ATGGTTTGGT 300
	TCCTTTTGCC CCTTGGTAAG TTTATTTTAC CCATCCNCCC ACCTGCCCAT TCTGACTTTN 360
	TATTAAAATC ANCCATGTGG GACCCAGNGG TGTTTAATGN GGATGTTATT NCCAGAAGGA 420
10	GGATTTGAGA AAAATTTGGG GATTNTCATT GCAGGTTAAC NATTCCAAAA ATNCTTTTTG 480
,,,	GTAAN 485
	100
	SEQ ID NO:3416
	SEQUENCE LENGTH: 471
15	SEQUENCE TYPE: nucleic acid
	TOPOLOGY: linear
	CLONE: HUMGS04023
	SEQUENCE DESCRIPTION:
20	GATCTGTTTT TTCATCGAGG TNTCGAGGTA TNCTTTNAAA GATAGTGANA NGCAGACACT 60
	GCTCCTTGTG CAGCTCTGGT ACCTCCTGCC CACTGCTGTC ACTTCAAGCC ACTGGCAATG 120
	CTTCTGTCCT CGTGTCTTGG AGGAAAATCA CCTGGGGGGA GGGGACTTCT TGTGGTAAGA 180
	GCAAGTGCAG GTATGAAATG CGAAGATTGC CCCAGCTAAA AGTGGACAAG TCCGCTTTGT 240
25	GAGATGAATA CTTCCTGAGA NNCNNNNCAA GTATCTCTCC ATTTTACCAT TATGAAAACT 300
	ATCATTAAAA AAAACAGTTT AGATGCCTTC TCCTTTTGAG GGAAAAAGGG TGCTTTTTAT 360
	TGTATAAAGC AGCGTCTTAT GTATTTTGAT ATACCATTGT TTGAACTTCC GTCTTTAGCT 420
	GATAGATTCT CAAATATCCT NGATTTTGGG ATGTTCAGTA TGTTTGTGAG N 471
30	SEQ ID NO:3417
-	SEQUENCE LENGTH: 466
	SEQUENCE TYPE:nucleic acid
	TOPOLOGY: linear
	CLONE: HUMGS 04024
35	SEQUENCE DESCRIPTION:
	GATCAAATAT ATTTCAAGCT ATAAAAGCAG GAGGTTATCT GTGCAGGGGA CTGGCATCAT 60
	GTATTTAGGG GCAAGTAATA ATGGAATGCT ACTAAGATAC TCCATATTCT TACCCGAATC 120
	ACACAGACAG TTTCTGACAG GCGCAACTCC TCCATTTTCC TCCCGCAGGT GAGANCCCTG 180
40	TGGAGATGAG TCAGTGCCAT GACTGAGANG GANCCGACCC CTAGTTGAGA GCACCTTGCA 240
	GTTCCCCGAG AACTTTCTGA TTCACAGTCT CATTTTGACA GCATGAANTG TCCTCTTGAA 300
•	GCATAGCTTN NNNAATATCT TTTTCCTTCT ACTCCTCCNT CTGACTCTAA GAATTCTCTC 360
	TTTCTGGANT CGCTTGAACC CAGGANGGCG GGAGGTTNCA GTAAGCCAAG GTCANTGCNA 420
45	CTGCACTNTT AGCCTTNGGT NANAANTNGA GGTTTCCATT TNTAAA 466
	400
	SEQ ID NO:3418
	SEQUENCE LENGTH: 464
	SEQUENCE TYPE: nucleic acid
50	TOPOLOGY: linear
	CLONE: HUMGS04025

	SEQUENCE DESC	RIPTION:					
	GATCGCCAGG CT	GATTGAGA	AGAACAAGAT	GAGTGACGGG	AAGAAGGAGG	AGCTCCAGAA	60
	GAGCTTAAAC AT						
5	AGGCTGTCTG TG						
	CTGTGAGTCC CT						
	TGAGCCCTGA GTA						
ē	TGGTCTGGGG ATA						
10	ATNAGTGCTA TAG						
70	TCATTCANTT AA					GOIGIANIIC	464
			0101111100	TIAAGGIGGA	IAAA		404
	SEQ ID NO:3419	<b>a</b>					
	SEQUENCE LENGT	-					
15	SEQUENCE TYPE:	-	anid				
	TOPOLOGY: line		aciu				
	CLONE: HUNGSO40						
	SEQUENCE DESCR						
20	GATCACCTTC CTO		CCCACACTCA	CCACCACCC	TCC+TC++CC	TC 4 1 TC C C 4 T	co
20	TAACAAGTGC CCC						60
	GGCCTCTGCC CTC						
	GTATGTCAAG CGA						
	TCAGGCTGGG GCT						
25	GGTGTTCCCA GGN						
	GGAGGNCGCC TTC				CCGGGNIIII	111111111111111111111111111111111111111	
	II WINDIDDIN IN	LONIDOD	TINGUNGGCG	GINIIIN			457
30	SEQ ID NO:3420	1					
	SEQUENCE LENGT						
	SEQUENCE TYPE:		anid				
	TOPOLOGY: linea		aciu				
05	CLONE: HUMGSO40						
35	SEQUENCE DESCR						
	GATCTGGAGG GGT		AGACGGAACA	<b>ፕሮፕሮሮ ልሮ</b> ፕፕሮ	C Y G G C C C G Y G	CTTCTNAGCC	60
	TGCCGTTTGC CAC						
	NNACTCCGTG CTC						
40	CACCTCTGAG TTT						
	CTCCCCCTTG TNT						
	AAGGTCTTCC CCA			*		*	
	CTTTTTTGTT TCC						
45	TNGTCCNAGG GAA				GOGGANGGAG	dddiniinni	452
	oroomnuu uhn	n WINDWIN	MUNUUCAAA I	uii			774
	SEQ ID NO:3421	l					
	SEQUENCE LENGT						
	SEQUENCE TYPE:		acid				
50	TOPOLOGY: linea						
	CLONE: HUMGS 040						

	SEQUENCE DESCRIPTION:					
	GATCAAAACT AACCTTTCAG	CGTATTCTCA	GCTATGACAC	AGTGGTGCAA	ACAACTGGAG	60
	ACTCGTGGCA CATACCATAT	GATGAAGACT	TGGTAGAAAG	ATGTTCCTGT	GAAGTACCAA	120
5	CCAAATGGCT TTGCCTCCAC	CAAAAGACAT	AGAGATTCTT	ACCTCTATGC	TAAGTTTGTG	180
•	TTTGGGTACC CTCTAGGTTG	GCATCAGAGG	CTCTTGAGCT	GGTGTTTGTT	TAGGGCATTG	240
	CCTCTGTCCT GAAGATAAAA	GGATTNTATT	AACAGCATTG	ACATTGATTT	TTTAATGAAA	300
	TGAGATATAT CTTTTCATAA	CCAGCTGCGT	TTTTTTCCCC	TAACATTTGT	TTTTGGAGGG	360
10	CTTATCAAGA GTTGGAGACC	TTAGTGTAGA	GCAAAACCTG	CATTTCTCCT	ACTGGGCCAG	420
	CTATTCCACT TAGGCTTGGG	TGACTAANAN				450
	SEQ ID NO:3422					
•	SEQUENCE LENGTH: 444					
15	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS04030					
	SEQUENCE DESCRIPTION:					
20	GATCCCAAGT ATTAGGAGCT	ATTTCTTAAA	TAGTTTAAAT	TTGCCTTTGA	AAAAAGTTCC	60
	ATTACTTAAA AGTATTAATT	TAAGCAAAAT	CATGGAACAC	ATTGACTAAA	AAATACCTTT	120
	TATTTTTACT CAACTTGTTA	AAGGGGCAGA	TAAAGACTTT	${\tt GGCAAATTTG}$	ATTAACTGCA	180
	CAAAATAATG TTATCCAAAC	TGAGTAATTT	ATTGCTGGTC	TGNGGCTTGC	CTTGTTTACA	240
25	CTTAAGTAGA ATTTACGTTG	TTTCCACAAA	TGGCAGATAT	CANCATTTAA	AGGNATTTAA	300
	TAGTGACCTA TTCAATAAGG	CANTCATCTG	GGGTAGCAAA	CTTTTNTTTA	AATCTNACAT	360
	AACCTCAGGC TTTATAANAA	NGCCACCATA	ATTGGAAAAT	TGGGGNTCCT	CCCCTCTAAA	420
•	NGCCTTAAGG GATTCAAAGG	CTCN				444
30	SEQ ID NO:3423					
	SEQUENCE LENGTH: 439					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
35	CLONE: HUMGS04031					
	SEQUENCE DESCRIPTION:					
	GATCTTGTGA AAATGCTGTT	AGTATCCAAC	CTTAAAATAT	ATTAGTATAT	GGGTTTTTAT	60
	TAAAAGAATT ACTTTGAATT	TNCTATTTAA	TTCATATGTA	AATAAAGGAA	CATTTCATTT	120
	CACTTAAAAA AATTATATCA	GTTATTAGGC	TGGGTGCAGT	GGCTCATGCC	TGTAATCCCA	180
40	GCACTTTGGG AGGCCAAGGC	GGGTGGATTA	CCAGAGTTCG	GGAGTTTGAG	ACCAGCTTGA	240
	CCAACATGGA GAAACCCCGT	CTCTACTAAA	ATTACANAAT	TNGCCAGGTG	TGGTGGCGCA	300
	TGCCTGTAAT CCTGGGCTAC	TCAGGAGGCT	TGAGGCAGGN	GAATNGGNTT	GAAAACCCCN	360
•3	GGGGGNNAGA GGTTGCGGTT	GAGCTGAGNN	TTGCGCCATT	NNACTTCCNN	CCTGGGCAAG	420
45	GNGGGGNGNA ACCTNTNNN					439
	SEQ ID NO:3424					
	SEQUENCE LENGTH: 437					
50	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS04032					

	SEQUENCE DE	SCRIPTION:					
	GATCTAAGAA	ATCATGTGCA	TATATCTTTC	AGATTTCTAT	TTTGGGAAAN	TGAAGGTTTC	60
	TACAACATAT	TGTTTCAGTG	TTCAAATAAA	CTGAAGGACT	CAACATTACA	TTTGAACTAT	120
5	ATCCTTCCTA	GTGGGTTAGT	GTGAAAAAGN	GNTTGGCTGA	TTCCTAAAAC	TCTGCCAGCC	180
	CTGCAGTAAT	CTCCAGGGNC	NNGTTATTGT	TCAGACATTC	CNTGGTGATT	CCTGGGAAGG	240
	AAGCTTGGCT	GCTCAGTTTC	TGAGTCTGGG	GTGAGATAAT	GTTCTGGGAA	GGGACATCTG	300
	TTCTTTGGTG	TAATCTCTCA	TGGTGAAATC	TGCTCTGTAC	ATCAGACAAT	TGCATTGCTA	360
10	CCAAGTTTCA	TACCAAATAT	TTGAAAGGTT	GGTATTGAAT	CTAAANCCAA	ATATTAGTTT	420
	TTNTTAAACT	CATGGGN					437
	SEQ ID NO:3	425					
15	SEQUENCE LE						
,,	SEQUENCE TY	PE:nucleic	acid				
	TOPOLOGY: li	near					
	CLONE: HUMGS	04033					
	SEQUENCE DE	SCRIPTION:					
20 .						CACAGACTGC	
						CAAAATTCCC	
						GGTTTCTGAA	
	GGCGCACCCT						
25						TACACGAAAC	
						TAAGGAATAG	
	GGAANGTAGG	ACCAAGANAN	AATTGAACTC	CTTCCCATTT	TCTAAATAAA	GGTTTTGGGG	
	GAAA	•					424
30	SEQ ID NO:3	426					
	SEQUENCE LE	NGTH: 422					
	SEQUENCE TY	PE:nucleic	acid				
	TOPOLOGY: li	near					
35	CLONE: HUMGS	04034					
	SEQUENCE DE	SCRIPTION:		•			
	GATCTCNGAG	CTACAATACT	CACTANATAT	ANTTTTCCAA	TCAAAATATN	CTATTCTATA	60
	TTCTAAGGGT	TAATATGTGA	TTATAGTGTC	CACTTGCCAC	CATTTTTTA	AATCAATGGA	120
	CTTGAAAAGT	ATTAATTTAG	ATGGATGCGC	AGATATACCC	TCAGTTCAGT	CATAGATTGG	180
40	AGTTTGCATA	TAATANNNCN	CCGGTATGTN	GACACTATTC	TAAATAGTTC	TATTATGACT	240
						TACNGTATGT	
						AATTTAAAA	
	TACCATGGTT	ATATACATAT	ACCTNGNNTT	NGTCCTAAAA	TAAAGGNTTT	TNATGCACGC	420
45	NN						422
	SEQ ID NO:3	427					
	SEQUENCE LE						
50	SEQUENCE TY		acid				
- <del>-</del>	TOPOLOGY: 1 i						
	CLONE: HUMGS	04035					

	SEQUENCE DESCRIPTION:					
	GATCTTTCCA CCTCAGCCTC	CTGAGTGGCT	GGGACTACAG	GTGCATGCCA	CCAAGCCTGG	60
	CTAACTTTTT GTAGAGATAG					120
5 .	TTCAAGTGAT TTGTCTGCCT	CAGGCTCCCA	AAGTGCTGGG	ATTACAGGCA	TGAGCCACAC	180
	TGCACCCAGT CCATGCTACC					
	TTCAAAACAT ATTATTTGAA					
	AANACCINGT TITCCAAACT					
	ACTINGGIGN GGGGAAAAAN					408
10						
	SEQ ID NO:3428					
	SEQUENCE LENGTH: 378					
•	SEQUENCE TYPE:nucleic	acid				
15	TOPOLOGY: linear					
	CLONE: HUMGS04036					
	SEQUENCE DESCRIPTION:					
	GATCTTAGCT TCTTTAATCA	GACTTTGTGA	CTTAAAAGTT	TGGGGGTTTT	CTTTGAAAGT	60
20	TTCCAGCCCT ATTCAGAAAG					120
	AGGGGTAAGT AAACAAAGTA					
•	TGGCAGCCTG CTGTTAACAA	CACAGGCCAG	TATTGGGTTT	TATTGAATTT	GGTATGTGAC	240
	CAAGGTCGGC CTAAAGGATG	GCGCAGGTCC	TGGGCAGGAA	AGAATTTTTC	CTTTATCACA	300
	TAACTGTAAT ATTTGGTTGC	TCAGCATAAG	TNATGGAAGC	AACCACTTAA	TTTCTAATAA	360
<b>25</b> .	ANTTGTGTTA ACCTCAAA					378
	SEQ ID NO:3429					
	SEQUENCE LENGTH: 376					
30	SEQUENCE TYPE:nucleic	acid				
00	TOPOLOGY: linear	acra				
	CLONE: HUMGS04037					
	SEQUENCE DESCRIPTION:					
	GATCACAACA CCAGTACCAG	CACGAAGAGC	CTCCTCCCGA	AAGAGTCTCG	ACTGGACACC	60
35	TTCTGGGACT AGCAGTGAAT					
	ACGCCAGGAA AAGAAGAAAC					
	ACAAAACCCT CAGTTGAGCC					
	AGCATCGGCT TTGACTGCAG					
40	ATGTACAATT TGTGGATGTC					
	ACTTTAACTT ATTAAA					376
	SEQ ID NO:3430					
45	SEQUENCE LENGTH: 368					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS04039					
	SEQUENCE DESCRIPTION:					
50	GATCAAGCTT GTGTACTTGA	CCGTTTTTAT	ATTACTTTTG	TAAGTATTCT	TGTCCACATT	60

55

CTACTTCAGC TTTGGATGTG GTTACCGAGT ATCTGTAACC CTTGAATTTC TAGACAGTAT 120

5	TGCCACCTCT GGCCAAATAT GCACTTTCCC TAGAAAGCCA TATTCCAGCA GTGAAACTTG 180 TGCTATAGTG TATACCACCT GTACATACNN NGTATAGGCC ATCTGTAAAT ATCCCAGNGA 240 NCAATCACTA TTCTTAAGCA CTTTGAAAAT ATNNCTATGT AANTNATTGT AAACTTTTTC 300 AATGGTTGGG ACAATGGCAA TAGGACAAAA CGGGTTACTA AGGTGNAATT GNCCAAAAAA 360 TTTTTTAN 368
10	SEQ ID NO:3431 SEQUENCE LENGTH:374 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS04040
15	SEQUENCE DESCRIPTION: GATCAATCTC AATTCCTTTT CATGCCCTCC TGCATTGCTG CTGCGTGGGT ATTTGTCTCC 60 TTAGCCATCA GGTACAGTTT ACACTACAAT GTAAGCTATA GGTGGAGCAT CAGCAGTGAG 120 TGAGGCCATT CTTCATCCTT AGGATGTGGC AATGAAATNN TGGTGCAAGT TCCTTTCTCT 180 TTTGTGAATC TTTCCCCCCA TTTCCTGTTT ACATGTAACC CAACAAAATG CAATTTCTAG 240
20	NGCCTTCTGT CCAATCAGTT CTTTCCTCTG AGTGAGACGT ACTTGGCTAC AGATTTCTGC 300 CTTGTTTTGC GACATTNNTC CCATTCACAC AGNTATTTAN GGGGCTAATN AANNGGANAA 360 ATAAGGCTTA CAAA 374
25	SEQ ID NO:3432 SEQUENCE LENGTH:369 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
30	CLONE:HUMGS04041 SEQUENCE DESCRIPTION: GATCCTGGAG AACCTAAGAC TCCAAAAGCG TGGTACTGGA GGAGTGGACA CTGCTGCCAC 60 AGGCGGTGTC TTTAATATTN CTAATTTGGA CCGACTAGGC AAATCANAGG TGGAGCTGGT 120 GCAACTGGTC ATCGATGGAG TAAACTATTT GATTGATTGT NAACGGCGTC TGGAGAGAGG 180
35	CCAGGATATC CGCATCCCCA CACCTGTCAT CCACACCAGG CATTAACTCC CCATCGNCCA 240 GCTGATGACT CAAGATTCCA AGGAGTTCTG CTCATTCTAA TGGTGGGCCG TTCTACTTGN 300 TCTGGACCTG NCCTNGNATC CCCNTNGNCC TNTNNTTCCT TAGTTAAAGA CTTNGTTAGC 360 TGATGNAAA 369
40	SEQ ID NO:3433 SEQUENCE LENGTH:358 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
45	CLONE:HUNGS04042 SEQUENCE DESCRIPTION: GATCGTGGGG TTGTTGGCAG AGGGCAACCC TGGGCCCCAC ACCGTGTGGA CAGGCAGACA 60 CCAGATTGTC CAGGAGCAGG AGCTGCTGGG ACTGCGCTGG CCCCGGACCT AGTGGGCCTT 120 CTCCTGGCTG CTGAGATGTC GTCTGTGACT GGCCTGGCTG GAGGGGGAGT GTTGACAACC 180
50	CAAAGCTGTT CTCCAGTCTG GGGAGGGAGA GGCAGGGTCC CCAATGTCCG AGCTGNATCT 240 GGACGCTGCT CTTAAAGGAC CTCCTGGGGN AGGGGAAGCG GTAGGNTCTG GACTGGGNAA 300

	daldeldial daceleceld	MANACCCGI	GACTICCCA	IGNITIACCC	IIIIGIGN	358
	SEQ ID NO:3434					
5	SEQUENCE LENGTH: 354					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS04044					
10	SEQUENCE DESCRIPTION:					
.0	GATCTAGAAA GCAACTTGGA	AGTGTAAAGA	GTCACCTTCA	TTTTCTGTAA	CTCAATCAAG	60
	ACTGGTGGGT CCATGGCCCT					
	TCATCTCCCG AAATGCAGTT					
	TAAGAAGGTG CAATCCTAGA					
15	ATGATGCCTT GGGGTGGGGA					
	GAGTTGCTTA TGCCACTTCC					354
						•••
-	SEQ ID NO: 3435					
20	SEQUENCE LENGTH: 354	• •	•			
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS04045					
25	SEQUENCE DESCRIPTION:					
20	GATCATTAAT GAGGAGCTGA	TGGCCTCCCT	GGACCAGCCA	ACACAGACAN	TGGTGATGCA	60
	CCGCACTGAG CCCACTGCCC	AGCAGAACCT	GGCTCTGCAG	CTGGCCGAGA	AGCTGGGCAG	120
	CCTGGTGGAG AACAACGAAC	${\tt GGNTGTTTGA}$	CCACAAGCAG	GGCACCTACG	GGGGCTACTT	180
	CCGAGACCAG AAGGACGGCT	ACCGCAAAAA	CGAGGGCTAC	ATGCGCCGCG	GTGGCTACCG	240
30	NCAGCAGCAG TNTCAGACGG	CCTACTGAGC	TCTCCACTCT	GTTTCCCGCC	TGGGCCATCC	300
	AACCTTGAAG TCCTAAACCA	CACCTCAGTC	ACTAAAGGTC	TGTTTAAAGT	TAAA	354
	CEO ID NO. 2426					
	SEQ ID NO:3436 SEQUENCE LENGTH:350					
35	SEQUENCE TYPE:nucleic					
	TOPOLOGY: linear	acid				
	CLONE: HUMGS04046					
	SEQUENCE DESCRIPTION:					
40	GATCTAATTT ATTTATTTAT	TOCCTOCCC	GTGACTCGGG	GCAGGAGGCG	ACCCTGTCAT	60
	CTGTCCCACC TGCTGCTGCC					
	CAGTNTGAAA GTACGTGGAG					
	ACCGTNTCCC AGCCAGGGCA					
45	TGCACAGCTG CCACAGGGAG					
	GGTNGAGTGC ACANANTTGC				docodiccii	350
	SEQ ID NO:3437					
50	SEQUENCE LENGTH: 348					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					

	CLONE: HUNGS04047					
	SEQUENCE DESCRIPTION:					
	GATCTTGAAT CTCTTTCTTT					
5	AAAAACAACA AAAAACTCTG					
	CATTTCAAAT TCACCCTACA					
	CAGCCCTGGA GAAGCACTGG					
	GCCACANTGA TAATGGTCTG	TTTAGCACTT	CTGTATTTAT	TGTAAGAATG	NTTATAATGA	300
10	AGATACACAC TATANCTACA	AGAAATTATA	AATGTTTTTC	ACATCAAA		348
	SEQ ID NO:3438					
	SEQUENCE LENGTH: 347					
	SEQUENCE TYPE:nucleic	acid				
15	TOPOLOGY:linear					
	CLONE: HUMGS04048					
	SEQUENCE DESCRIPTION:					
	GATCTGAGCC ACCCTCCCCG	CACAGCCCTG	CACCCCGCCC	CTAGGGTTGG	CAGNCTCANT	60
20	TGGCCCCTGG CAGAGGAACA					120
	AGGGAGAGGA TGGTTGTCCC	TGGGGAGGGC	CCTCTGGCCC	CAGGCAACCT	TAGCCCCTCA	180
	GAACAGGGAG TCCCAGGACC	CAGGGAGAGT	NTGGGGACAG	GACAGCCTGT	TTCTTNTAGC	240
	TTCCTGGGGT GGGAGGCACA	GGGGCAAAGC	ANTACCCCAG	GGAAANTGGG	AGGTGGTGCT	300
25	GGTGCTCTCT CCAGGNCCAC	CATGCTGGGA	GAGGCGGCCA	GAGCTTN		347
	SEQ ID NO:3439					
	SEQUENCE LENGTH: 346					
	SEQUENCE TYPE: nucleic	acid				
30	TOPOLOGY: linear					
	CLONE: HUMGS04049					
	SEQUENCE DESCRIPTION:					
	GATCTTCCCT GGNGGCCTTC	GGCTGCNTGC	NTGCCTGAGG	TCCCNGCTGC	CAGTCCCGGG	60
35	CCCTGGAGAG CAGATGCTGT					
	CTATTTTTN CTGGTAGTCC					
	NAGTCCCCAT TTGTAGCATG					
	CTCCGAGATG GTCAGTGTGT				GCTCTCTGGG	
40	CCTGGNTCCN AGTCAGTGGT	GGCCACGATG	CGGTACAGGG	CATCCN		346
	ODO ID NO OLLO					
	SEQ ID NO:3440					
	SEQUENCE LENGTH: 343					
	SEQUENCE TYPE:nucleic	acid				
45	TOPOLOGY: linear					
	CLONE: HUMGS04050					
	SEQUENCE DESCRIPTION:	#0.0###.co	TO 1 C 1 COTOT	*********	ጥጠጥጥብ 1 1 1 በጣ	co
	GATCCATGTG ATTATTAAAA					60
50	GTATAAGANC TCATGTGATT					
	ATATACCAGC ACTACTAATT NTTTCACTTG CATTAAGTCT					
	milionollu ChilmaulCl	TANGE GROWN	IUMIIAMIDU	MADRIDORDO	IUNUUNUUII	440

	TGACTTTGAC AGGCGGTTTG TGCAGGAAAG CACAGTGCCG TGTTGTTTAC AGCTTTTCTA 300
	GAGCAGCTGT GCGNCCAGGG TAGAGGAGTG TNGAAATTCA TTN 343
5	SEQ ID NO:3441
	SEQUENCE LENGTH: 340
	SEQUENCE TYPE:nucleic acid
	TOPOLOGY: linear
10	CLONE: HUMGS04051
70	SEQUENCE DESCRIPTION:
	GATCTGCTCA GAAAGGAAGA GGCAGGCGCC AGGGGGAACC CCCTTCGTGT TTTGTAACCC 60
	TCCCTTTNAG GTGAAGCCCT TTTTCTTGCT AAAACCGGCA ATTCTCCGGT TAGAAATNTT 120
	ACTTGGTGTT TTTTGGTTTT GTGAAACGGC CGTCCCAAAG CTGGCTGGAT TCCTAGAAGA 180
15	GTCTGTGTTG AAGGCATCTT TCAAGCCCTC GCTCTGGTTC TNAGGGCAGC ATTTTCCAGG 240
	CGGGTTTGTT TTGCATTTCT TGGAGCCTCT CCGNGNAGCA ACCAGACGGG AGATTTTAAT 300
	TTTAAGCTGT TCATGCTGGG NCTGACAGCC TGCAGGGTTN 340
	010
20	SEQ ID NO:3442
	SEQUENCE LENGTH: 339
	SEQUENCE TYPE:nucleic acid
	TOPOLOGY:linear
25	CLONE: HUMGSO4052
20	SEQUENCE DESCRIPTION:
	GATCCTTGGG CTGGCCTAGA ACCAGTATCT GTAGTGGATA TAAGCCAACA ATACAGCAAT 60
	ACTCAAACAT TCACAGGCAA AAAAGGAAGA TACTTTTNTT AACATTTCTG AAATTCAACT 120
	GGAAGCTTCA TGTGTCAGGA ACATCTTGGA CAAAACTTTA NGTTGTGTTG ATATAAATTT 180
30	ACCCAAAGAT GATGNCTTTG ATTGGNTAAT TAGTAAGGTC TTTTTGTTAT TTTNCATCGT 240
	ATCAGGTATT GTTGATATTA GAGAAAAANG TAGGATAACT TGCAACATTT AGCTCTGGAA 300
	GTACCTACCA CATTTINGAG ATTTACCGTT TCCATATIN 339
35	SEQ ID NO:3443
	SEQUENCE LENGTH: 339
	SEQUENCE TYPE: nucleic acid
	TOPOLOGY: linear
	CLONE: HUMGSO4053
40	SEQUENCE DESCRIPTION:
	GATCTGCCGT TNATGTTGCT TTCTCCTTTG TCCTCTTGGA CTTGAGGGCA TTGTGAAAAG 60
	CTTTGCTGTG ATTTAAAAAT GCCAGCAATT TTAATCTAGC AGTGTTGAAG CTGGGAATTT 120
	TTTGGCGCAA TCCATGTAGC AGTGACCCAG GCTTGGGAGC CAGAAACAAG TGTGACCTGG 180
45	GATTINATIT AACACAACTG TIGCCAAAGA GIIGGCIITG TITATIIGGT TITGGCGGGG 240
	AGAGGAGTGG TATTTNATGC TTTCTGTGGA CANTGTAACC CTAAACACAN CANGTATTTT 300
	AANTGCCACC TACATAANTA AACCATANGC NTATTGAAA 339
50	SEQ ID NO:3444
30	SEQUENCE LENGTH: 339
	SEQUENCE TYPE:nucleic acid

5	TOPOLOGY:linear CLONE:HUMGS04054 SEQUENCE DESCRIPTIO GATCTACATA AAAACTGO CACAGTTACT CACTTTGT TGTTCACTGA AGTCTTCO TAATGAAATG GATTTCCO TATGTTTCTG TGCATGTT	TA CATGNCAAAA GT AATCTGAAAT AA TTGAGCTGGT AG TAGGGGTTTC	CTAGCTGCTG TGAATACTTT TGCATATCAC	AATACGCTGA GAAAAATGCT CTGTATAGTA	AGTAAATCCT CAGTTCTAAC GTTATATGCA	180 240
	TTGNCAACCT TTCAATAA	AG CATATAAATG	TTGGTTAAA			339
15	SEQ ID NO:3445 SEQUENCE LENGTH:334 SEQUENCE TYPE:nucle TOPOLOGY:linear CLONE:HUMGSO4055	C				
20	SEQUENCE DESCRIPTION GATCAGCCTC TTCCTCTA	·-·•	AATTAGACGT	TTCCGTAATT	CCATGTATTA	60
20	TGTATAGTAC ACTCTATA					
	CATTGTCCCA ACAAATGT					
	TGTTTTTATG TGTGAATG	AA GCCTTGTGAA	ATAAACAAAT	GCAACTGAGA	AGGTAACAAG	240
25	GTGACTGTTT TTGTGAGC	CA GTGATGTTTT	CAATGCTTTG	TGTTGCCCCT	TTGGCCCCAT	300
20	TAAGCAGTAA TAAACATT	IG TTCTGAAGTC	CAAA			334
30	SEQ ID NO:3446 SEQUENCE LENGTH:334 SEQUENCE TYPE:nucle TOPOLOGY:linear CLONE:HUMGS04056 SEQUENCE DESCRIPTIO					
35	GATCCAAGAA GCGGGTCC	CT GAGACGGGGG	GTGGCTGCCC	TCCCCAGACC	ACCCCGGCAG	60
	CCTGAGCAGN TCCAAAGC					
	TGGGGGGACA GGACAATT					
	CCTCTTGCCC CCTAACCT					
40	CTGCTCCGTG CCCAACAC			UGIAAAINAI	UNUAAAIAAA	334
	dunndiddhe dennhaid	UN TUCUUCAUCA	unnn			334
45	SEQ ID NO:3447 SEQUENCE LENGTH:332 SEQUENCE TYPE:nucle TOPOLOGY:linear CLONE:HUMGSO4057 SEQUENCE DESCRIPTIO	N:				
50	GATCCAATCT CAGTGTCT					
50	GACCCCAATG GCAACATO					
	GAGCTGTTCG AGCTGGAT	TA TTGCCTCAAA	GGGCGAGTCC	AGTCATCAGC	TCCGCTGTAA	180

	GCTGTTGGCC CTGCATTCAA					
	CACTCGAAGC TTCCTTTTTT	TTTTTTTTNA	ATTCCGGAAA	GTTTAANTCT	GTANTCCCAG	300
	GGGNCCATTT AAANANGGTT	TNTTTTTGTA	AN			332
5						
	SEQ ID NO:3448					
	SEQUENCE LENGTH: 332					
	SEQUENCE TYPE: nucleic	acid				
10	TOPOLOGY:linear					
	CLONE: HUMGS04058					
	SEQUENCE DESCRIPTION:					
	GATCCAAAAA AAGCTNGAAG	CCTACATTTC	CCAGAGCCCC	TTTCAGCTTG	AATTCCAAAT	60
	GTGACTTAGC TTCCTCTATG	CAGATGTACC	TACTTGAAAC	TGGGAAGGCC	AAATNAGATA	120
15	GAGGNAATNT TTCTGCCAAC	AAACAGCCAC	AGAGCATTTT	ATTTTTCTAG	AAGAGCAATA	180
	ACAGAGACCC CAGGGTGTGG	TGTGGCAGGA	CGAGGAGCAT	CCATTTTGCT	GGNGGGGATT	240
	GTGGCTAAAA TAATGNGGCT	CTGGAGCCAG	CAATNGGCAG	CATCTTCATG	ACTTTCCAGN	300
	TTCCAGGCTG TAAGCAGAGA	TAGCATCTCT	TN			332
20						
	SEQ ID NO:3449					
	SEQUENCE LENGTH: 326					
	SEQUENCE TYPE: nucleic	acid				
25	TOPOLOGY:linear					
	CLONE: HUMGS04059					
	SEQUENCE DESCRIPTION:					
	GATCCACTAT ATGCCTCAGC					60
	ATACGGTGTA ATAAGCATCT					
30	GTCATATTCA TTCAGATTTA					
	GATATACATT TTTAAATATT					
•	AATTTATATA TTGCACATTC	TAGGGAATAA	TATTGATTGT	ATGNCTACTG	TGCTGCATTA	
	AGAAAATAAA ATTCCTATAT	NCCAAA				326
35						
	SEQ ID NO:3450					
	SEQUENCE LENGTH: 329					
	SEQUENCE TYPE:nucleic	acid				
40	TOPOLOGY:linear			•		
40	CLONE: HUMGS04060					
	SEQUENCE DESCRIPTION:				0.000.000.4000.000	
	GATCAGAAAA ACTGAAGATG					
	TGTNTCCTGA GCCCGTTTCA					
45	CAACACCATG TGGTCTGGAG					
	CACCAGACTT GGGAGCCCAA					
	TTTCCTNGCA ATTGGTTTGN			CCCTGTTTAC	CCGAIGNNNG	
	GGAAATAAAG GCCCTTTTGC	CTCCTGAAA				329
50	OPO ID NO 0451					
	SEQ ID NO:3451					
	SEQUENCE LENGTH: 325					

5	SEQUENCE TYPE:nucle TOPOLOGY:linear CLONE:HUMGSO4061 SEQUENCE DESCRIPTION					
	GATCTGGCGC TTCTACT	TTG AGGGCTTCT1	TGACCTCATT	GCTGTGGTAN	GCCGGCGTAG	60
	TCCAGACCAT CCTATAC	GT GACTTCTTCT	ACTTGTACAT	TACAAAAGTA	CTCAAGGGAA	120
	AGAAGCTCAG TTTGCCAG	GCA TAAGTGCCAA	AGGCCATCAC	CAGCATCTGT	CCTTCAGGGT	180
10	GCTCGGACAG ANTTNTTA	ACC ACAGCAANGO	CATAAGGTGC	TTTATACGGA	AANTCAGNAA	240
10	CTTAACTCTT TTGTTGC	AGN TAGTCATCAC	TGGCTCTGTA	AAAACGGAGG	GGGAAAGNGN	300
	CNGGAGGTTT CTGTTTA	ATG CATCN				325
	SEQ [D NO:3452					
15	SEQUENCE LENGTH: 324	1				
	SEQUENCE TYPE:nucle	eic acid				
	TOPOLOGY:linear					
	CLONE: HUMGS04062					
20	SEQUENCE DESCRIPTION	ON:				
20	GATCTGATTT TATGTTC	GTA ACTTTCTGTA	AAGAAAGACA	CAAGGACTTT	TCAAAGACAG	60
	TTTATATCTT TCCAAGG	CAG GAAGCTTTGC	ATTTGCAATC	TTAGTGTTGT	GTCCCTTTCT	120
	GATTTTCAAA TACATCAC	CAC CTGCCTTCC1	GTTTTGGGAG	CAAAGATGTA	ATTTCAATTC	180
05	CCCTTGCTAC CGTCCTT	TTAAATNATT1	CCATTCTAAG	AGATTTTNGT	NATTTNNNTA	240
25	AATGTAATCT GAGCACT	TTN TNGTATTCTA	AAAGATAGAT	GATATCAGAT	AAATATGTTG	300
	TACATTTTGA TTAAAATT	TAT TTTN				324
	SEQ ID NO:3453					
30	SEQUENCE LENGTH: 33	-				
	SEQUENCE TYPE: nucle	eic acid				
	TOPOLOGY: linear		•			
	CLONE: HUMGS04063					
35	SEQUENCE DESCRIPTION					
	GATCTGGAAG ACAGACG					60
	AGTTGGGAAG GAGGCAG					
	AAGCTCNNTG TGGGCCC					
40	AGCTCCCTCC AGCCATC					
40	AACCCCAAAT CAAGACC			Affeffigii	CCITITICIT	
	TTTGTAAGAA ACATTCA	CAA AAACCAGTGO	AAAACCAAA			339
	SEQ ID NO: 3454					
45	SEQUENCE LENGTH: 31					
	SEQUENCE TYPE: nucle	eic acid				
	TOPOLOGY: linear					
	CLONE: HUMGS04064					
50	SEQUENCE DESCRIPTION	••••				
50	GATCTCAATG CTGTCTG	GGG ACCCTGAAGA	A GTTTTNTNAC	CTGTTCAGTC	TCATCTAACC	60

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TTCCAATGTN TGATGTTCCT GCCAAATTCC TGCCTGATTC TGGGTCCGTC CTGACCTCCA 120

	AAGGTCAGNT TGGTGCTTGA	GGTCTCCNTG	CTCTTGGTGG	CAGTGGTAGC	AGCAACAGCA	180
	GCAGCAGCAG CAGCAGCAGC	AGCAGAGACC	TNTCCACTTT	CCCTTAGCCC	TNTGNTGGGT	240
	AGAGGGAACT TAAGGGACTT	CCTCCAGNNG	CNTTTAATNT	GGGAATGGGT	AAGAAGGTTG	300
5	NGCTCCNCTG TTNGTTN					317
	SEQ ID NO:3455					
	SEQUENCE LENGTH: 315					
10	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS04065					
	SEQUENCE DESCRIPTION:					
15	GATCCTCAAA AAACCCAAAA					60
	GCTTGTTTTT NATTTNCCAG					
	TTTACAGGTA ACTTTCAAAA					
	TTATGATTCC TGTATTATTT AAAAATGTGA GTTTGAATTA					
20	TNTNATGAAA AAAAN	CACCATCIGI	GCCAATTACA	AAGCAATTAA	AUGALITAIN	315
20	INTINATURAN AAAAN					313
•	SEQ ID NO:3456					
	SEQUENCE LENGTH: 312					
	SEQUENCE TYPE:nucleic	acid				
25	TOPOLOGY:linear					
	CLONE: HUMGS04066					
	SEQUENCE DESCRIPTION:					
	GATCTGAGGC TGTGTCTCTG	CCTTGTTTTT	AGAGGACTTC	AGCGTCCAAG	ACTGGGGCCC	60
30	ACCNTTNTCA CCAGCACTAA	ATGCACTAAC	AAGGACTCCA	GACCTGCAGC	CCCAGACCCG	120
	CCGTAGTATA AGCCTAACAA	GCAACANGTA	GCACCTTAGT	CTTTGTTCCA	GGAGAGCTGA	180
	GCAAGCTGGT GAAACCACTC	TCCTTCCTTT	AAACANCGTT	TCAACCANCC	TTTNCNTGGA	240
	GCCAACNTGT AAAAAGTGGG	TTGATTGCTG	ACAGNATGGT	CTTCCTTCCC	TGGATTTNAG	300
35	ACATACCAGT TN					312
	SEQ ID NO:3457					
	SEQUENCE LENGTH: 309					
40	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear CLONE:HUMGS04067					
	SEQUENCE DESCRIPTION:					
	GATCTTTCCG GGGCCTACAG	CCCTCTAAGA	CAGCTTCCTC	TCCTCTCTCC	ACAACTCCCC	60
45	AGTGATGGGC AGGTTCGGCA					
	ACGAACTCGG CTTCTTTGT					
	GCCCGGGATG GCAAGGGCAC					
	TGATGATGGA TTTTATTTCA.					
	CTATCCAAA					309
50						

SEQ ID NO:3458

	SEQUENCE LENGTH: 309 SEQUENCE TYPE:nucleic acid TOPOLOGY: linear		
5	CLONE: HUMGSO4068 SEQUENCE DESCRIPTION:		
	GATCAGCACC ATTTGTGGTA TGTTCCGTGA TGAGCGTTTA GTGAGCCTNN		
	GCACTATGAA ATCATGGTAC GTAGTCCCCG GCACCTGTCG TTATTCCTAT		
10	AACTGTGGTT TGAAACTGCG CATTCTCTAG TAGTATATAT CGTGCCTGTC		
	TTTCCCTTNN GTATACTCAT NCCCCCCAGG CATTGGGGTA GTGTCAGTCG		
	GGAACACGGT TTCCAGTGGC TTTGGCCCCT ACTCGGGAAA CGTCTGCCTG TGATGGGGN	TTCTCGATNG	300 309
15	SEQ ID NO:3459		
	SEQUENCE LENGTH: 308		
	SEQUENCE TYPE: nucleic acid		
	TOPOLOGY:linear CLONE:HUMGSO4069		
20	SEQUENCE DESCRIPTION:		
	GATCTAGCTG GTCACGACGA TGTTTTCACC AAGGTCACAG GAGCATTGCG	TCCCTCATCC	60
	GGTTGAAGTT TGGTTTGGTT CTTGTTTCAG CCCAATATGT AGAGAACATT		
	TGCACCTTTN ATACGGTATT GCATTTCCAA AGCCACCAAT CCATTTTNTG		
25	GTCTGTGGCT TAATAATCAT AGTAACAACA ATAATACCTT TTTNTCCATT	TTGCTTGCAG	240
	GAAACATACC TTAAGTTTTT TTTGTTTTGT TTTTGTTTTT TTGTTTTTNG	TTTTCCTTTA	300
	TGANGAAA	·	308
30	SEQ ID NO:3460		
	SEQUENCE LENGTH: 351		
	SEQUENCE TYPE: nucleic acid		
	TOPOLOGY: linear		
35	CLONE: HUMGS04070 SEQUENCE DESCRIPTION:		
	GATCAAGCAG AGAAANTAAT TAATTTCATG GGACTAAATG AACTAGTGAG	CATAATATT	60
	NCATAATINI TNATITGAAA TITTGCTGAT TCTTTAAATG TCTTGTTTCC		
	GAAACTITIT TCCTTTTAAG CTATCCACAG CTTACAGCAA TTTGATAAAA		
40	TGNACAAAAA TTGAGACATT TACATTTCCT CCCTATGTGG TCGCTCCAGN		
	CTATTCATGG AGTATTTNTA TTGTATGGTA ATATAGTTAT TGCACAAGTT	CANTAAAANT	300
	CTGCTCTNTG TATAGCANGG NNNGGGTTGG GGGGGCGGGN GGNGGGGGGG	N	351
45	SEQ ID NO:3461		
	SEQUENCE LENGTH: 305		
	SEQUENCE TYPE:nucleic acid		
	TOPOLOGY:linear		
50	CLONE: HUNGSO4071		
	SEQUENCE DESCRIPTION:		
	GATCAGATAG TTTCCTGAGG CTAAAATGCC CCAACATGTA AAAGACTGCN	ACAAGGGTTA	60

	ATGAGCCAGG AACTGCGGAT	GGTAACCTAC	ATCTCTATAA	TTACCATAGG	ATATATATGA	120
	GTACCATAGG ATTCTTTTGC	ATAACTGTAG	AAAGTACAGA	CAACACCCTC	CCGTGTTTGC	180
	TATTAGAGTT TTTANTGTTG	ATTGGAAAAT	GGGAGATTCA	CTGTGTGCCA	TTCTTGGTAT	240
5	ACGTTGANGA AATTACATCA	CTAGTACACA	CNGNGGNNNT	TCCACATTCA	CACGCCCCAG	300
	CTCTN					305
	SEQ ID NO:3462					
	SEQUENCE LENGTH: 303					
10	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS04072					
	SEQUENCE DESCRIPTION:					
15	GATCAAGCTA CAGATATGGG	ATACAGCAGG	CCAGGAGCGA	TTTCACACCA	TCACAACCTC	60
	CTACTACAGA GGCGCAATGG	GTATCATGCT	AGTATATGAC	ATCACCAATG	GTAAAAGTTT	120
	TGAAAACATC AGCAAATGGC	TTAGAAACAT	AGATGAGCAT	GCCAATGAAG	ATGTGGAAAG	180
	AATGTTACTA GGAAACAAGT	GTGATATGGA	CGACAANNGT	GTTGTACCTA	AAGGAAAAGG	240
20	TGANCAGATT GCNNGGGAGC	ATGGTATTAG	${\tt GTTTTTTGAG}$	ACTAGTGCAA	ANGCNGGTAT	300
	AAN					303
	SEQ ID NO:3463					
	SEQUENCE LENGTH: 303					
25	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUNGS04073					
	SEQUENCE DESCRIPTION:					
30	GATCCGGTCA TACATCCACA	TCAGGCCTGG	CCAGCTGGAT	GTTCTTAAAN	AGTTCCACAA	60
	GCAGATTACT GCACGGGCAA	CAAAGGATGG	GACTTTTGTC	ATTTCAAAGA	CATGATGTAT	120
	GGGGATTAGA AAGAACTCAA	GACACTCCTG	CTTGATACAG	AACAAAAAGA	GCTTAACAGG	180
	ACCAACAGGG CTTAAGCCCA					
	TTTTNCTTTC TCTGACTTGT	TTTGTTTTCT	TGAAATAACA	CTGTTGTGTG	GCTAGAAAGG	300
35	AAA					303
	SEQ ID NO:3464					
	SEQUENCE LENGTH: 348		•			
40	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS04074					
	SEQUENCE DESCRIPTION:					
45	GATCTACTTT CACATTCTCA					60
70	AGGTTCCAGC GTGCCCCTCC					
	TGAATCACGA GAATGTGGAG					
	GACCAGTTGC TGGTGAAACT					
	CTGAGGGTCT GCTTTGTTTA				GTCTACCTGG	
E0	CGTTTTGTTA GAAATGTCAG	ATACCAAAAT	AAAAACCATT	TOACTAAA		240

5	SEQ ID NO:3 SEQUENCE LE SEQUENCE TY TOPOLOGY:li CLONE:HUMGS	NGTH:299 PE:nucleic near	acid				
10	TTGGGCACTG AGGCGATGGG	GGTGAGATTA GGCTTTGAAA CCATGCAGAG GCAATGACAG	GGCCTTCCAA ACGTGGCTTG ATACANCAGA	ACAGCTCCGT GCCCAGAATG ACANTGCTTT	CGCCCCTAGC GCCTGTGCCA TGAGGCANGC	TTCCCAATGT AACTCCACCA TAGCAACTGG TTCTTCCCTN TAAGGTTTN	180 240
15	SEQ ID NO:3 SEQUENCE LE SEQUENCE TY TOPOLOGY:1i	NGTH:415 PE:nucleic	acid				
20	CLONE: HUMGS SEQUENCE DE GATCTACGTN GGTTTGTNAT	SCRIPTION: ATCTCAGGGC				AGAAAAGAAT TGCTTTTNAG	60 120
25	AATGACATGT ANGCCAAAGG GTGTATAGTC	CTCCAAGCAA TGCAGTGCTG CATTTCCCAG	CAATGTGGTT TCAGAACATC GTNTGNGGAT	CCTATTCATG TAAGGCATTT TTAAATATAT	TTCCACCAAC NTNTTCTCCC TNGTAATNCT	CAGACGCGAA CACTGAAAAC CTAGAAGGCT NGGTGTCACT	240 300 360
30 .	SEQ ID NO:3 SEQUENCE LE SEQUENCE TY	467 NGTH: 295		TITITICCATG	NCCTAAGNCT	ITTIN	415
35	TOPOLOGY: 1 i CLONE: HUMGS SEQUENCE DE GATCCACCTT	near 04077 SCRIPTION:		CATCAGCAAA	GGAGCACTTC	TCTAATCATG	60
40	CCCTCCCGAA AGGTCAGTTT	GACTGGCTGG GAAATTGGAG GCCGTCCAGC	GAGAAGGTTT ACAAACTGTC CTCGGGGTGT	AAAAACAAAA TGGCAAAGGG AGGTTTCTGA	AATCCAGGAG TGCGAGAGGG GGTGTGCCAT	TAAGAGCCTT AGCTTGTGCT TGGGGCCTCA	120 180
<b>4</b> 5	SEQ ID NO:3 SEQUENCE LE SEQUENCE TY TOPOLOGY:1i	NGTH:292 PE:nucleic	acid				
50	CLONE: HUMGS SEQUENCE DE GATCAAAGCA	SCRIPTION:	CCAGGCNCAT	AATAAATGCT	CCATTGAANG	TACTATTCTN	60

	GTTTTCCACT GCTGTGGAAA CCTCCTTGCT ACTATAGCGT CTTATGTATG GTTTALAGGA	
	AATTTATCAG GTGAGAGAGA TGAGCAACGT TGTCTTTNCT CTCAAAGCTG TAATGTGGGT	180
	TTNGTTTTAC TGTTTATTTG TTTGTNGTTG TATCCTTTTC TCCTNGTNAN TTGCCCTTCA	240
5	GAATGCACTT GGGAAAGGCT GGTTCCTTAG NNNCCTGGTT TGTGTCTNTT NN	292
	SEQ ID NO:3469	
	SEQUENCE LENGTH: 291	
10	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS04079	
	SEQUENCE DESCRIPTION:	
15	GATCTCTTAA GAGATGATGG ACTTATGTAT GTTACAAGAC TTCGAAATGT TGGAGTCCAA	
. ••	GTNGTTCATG AACATATTGA GGATGGAATT CATGGAGCTT TATCATTCAT GACTTCACCA	
	TTTTATTTAC GTCTAGGTCT TAGGATAAGA GATATGTATG TAAGTNGGCT GGATAAGANT	
	TTATAAATAT GTGATGTGTA TGTATAGCCC TTACATAGTG GATTGTAATT NGTGATATTT	240
	TGTGGTTTTG GAGCAAAGAN CAATGTCATT TGAGTTATCT AAATCTACAT N	291
20	•	
	SEQ ID NO:3470	
	SEQUENCE LENGTH: 290	
	SEQUENCE TYPE:nucleic acid	
25	TOPOLOGY: linear	
	CLONE: HUNGS04080	
	SEQUENCE DESCRIPTION:	
	GATCTTTTGA TTCCTCTTGG GCTGAAGCAG ACCAAGTTCC CCCCAGGCAC CCCAGTTGTG	
20	GGGGAGCCTG TATTTTTTT AACAACATCC CCATTCCCCA CCTGGTCCTC CCNCTTCCCA	
30	TGCTGCCAAC TTCTAACCGC AATAGTGACT CTGTGCTTGT NTGTTTAGTT CTGTGTATAA	
	ATGGAATGTT GTGGAGATGA CCCCTCCCTG TGCCGGCTGG TTCCTCTCCC TTTTCCCCTG	240
	GTCACGGCTA CTCATGGAAG CAGGACCAGT AAAGGGACCT TCGATTAAAA	290
35	SEQ ID NO:3471	
	SEQUENCE LENGTH: 287	
	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	
40	CLONE: HUMGS04081	
40	SEQUENCE DESCRIPTION:	
	GATCCAAAGT CCTGTGGTTA ACGCCTTCAT TTATAGATGA GGCAGCTGAG GCCTGGGGAT	
	GTGAACAACC TGCTCACAGT CCTCATTTAC TGGATTTGAC TTCAGCCAGG TGAACTGGAA	120
	TGCCTTGGGG CGTGGAAGGG CATTAGGAGT GTTTCATTTG ATATGTGAAT GCTCATAAAA	
45	AAATGTCAAG GAATGAAGAA CAGCANCTCT CAGTGGTGCC TGCATTTATA ATTATTTATG	240
	TGAAAGTCAA ATTCATGTAC AGTAAATTTG TTATAAGAAT ATTCAAA	287
	SEQ ID NO:3472	
50	SEQUENCE LENGTH: 287	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	

5	CLONE: HUMGSO4082 SEQUENCE DESCRIPTION: GATCCAAAGT GCAAGGNTTT AGATGCAGGG TCTGAGTCAG ANACTCTTGA AAACTCATGT CCTTAATAAT TTAAAATGAC ATTGTAAAAAA GGAAATAGTG	GCCTTCTGGT AAATAAAAAT CTGATTTCCT	TATATTGTGC CATAGGGTGA GGAAAATTTT	AGTTTCAAAA AAATTGTATT ATTATTCAAA	GAACTATTTA TGTTAAAATA	120 180
10						
15	SEQ ID NO:3473 SEQUENCE LENGTH:278 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS04083	acid				
	SEQUENCE DESCRIPTION:					
	GATCTGTTTG TCACTGACAG	ACTGTAGTAG	TGTCTGTGTG	CTGACTGATA	GATAGACTAT	60
	AGTAAAATTT GGGTGTTGCC	TGACTAACGG	TCTAGGGTCT	GTAAGCTGAC	AGTCTGCCTG	120
20	CTTTCTGATT GTATCCATTG	AAGTGTATGT	ACATTATGGT	AATNCTCTGT	CTATTAAATG	180
	TGTCTAACAA AGGAAGGAAT	TAAGCACTCC	ACATGTTTTC	TTTATAGGGG	AGTTCTGTAC	240
	ACTATGATTT TAAATAGATA	TTTCTTATAT	AANGGAAA			278
25	SEQ ID NO:3474 SEQUENCE LENGTH:278 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE: HUMGS04084					
30	SEQUENCE DESCRIPTION:					
	GATCCCAACA CTGAAGGGGT	AGAAGGCCAG	GGGGGCATGG	AGAGTGCAGC	ተርርልተተልተልር	.60
	TGAAGAGCCA AACATATGTN					
	ATCTTCATCT CTAGCACCTC					
05	TGGATGCTTC TAGAGGGGCC					
35	CATTAGCAGC AACCAATAAA			IAUUUUAIAI	do to hondon	278
40	SEQ ID NO:3475 SEQUENCE LENGTH:277		noman			210
70	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS04086					
	SEQUENCE DESCRIPTION:					
45	GATCTTAACT GTGTCATTTG					
	CATATTCTGA GCTTTAAATA	TATAAACNGG	TAAATCATTC	CATTTAATAA	GACATAGCCC	120
	AAGTCCCAGA ACGCGTTTTG	AGAGTAACCA	GAAACAGAGG	TTATTTGTTC	TGCTTTCTTT	180
	TATCACTGCT ATTGGATGGG	ATATCCCAAA	CAAGTGGATG	TGCGCCCCAA	TTCTATTTTC	240
50	CACTATTCAA TGATTAAAAT	AATTACAAAA	ACGCAAA			277

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SEQ ID NO:3476

5	SEQUENCE LENGTH:273 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO4087 SEQUENCE DESCRIPTION: GATCTTTCCA AATACCCAAA TAATAACATA CAATGACCAC	TGTCCCTGCA				
10	ACTCCCCAAT ACCTAATAAG AAAACTCAAA ACACCCAAAA ACCCACAATA AACTCGTGAC	ATATNTCCTC	CAATGTCCTG			
15	SEQ ID NO:3477 SEQUENCE LENGTH:272 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO4088	acid		٨		
20	SEQUENCE DESCRIPTION: GATCCTCTCN ACCCTCCTCT ACACTGGACA TGGCCCATTG GGTGGCTGCN CCCCCAGCTT	GAGCACNNGG	GCCCCACTGG	ACAACACTGA	TTCCTGGAGA	
25	CTGGGGGTGA GGNGGACAAG GTCCTCAGCT TGGGGNTTCT SEQ ID NO:3478			TTGTGCCTGC	TCCTGTACTN	240 272
30	SEQUENCE LENGTH:270 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO4089 SEQUENCE DESCRIPTION:	acid				
35	GATCTTGATA TTNGGCCTCT TGGAATGGGT GTTNCTCTTA CCCCTACTCT CTTCTCATCT CCTGGCGGCT GGGTGGAGAG CATCAGGCCA CACACTCTGC	GGATGTATCC TCGTATATNA GGAAACCTAC	CCTCAAACCT CGAAGCAGAA	ACCTGGTGGT AACTCATCAT	TCTTTGCCTT CAGGCGACGC	180
40	CATCAGGCCA CACACTOTGC	ATCCGACACA				210
45	SEQ ID NO:3479 SEQUENCE LENGTH:267 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS04090 SEQUENCE DESCRIPTION:					
50	GATCACCAAC AGGGAAAGAC TGGCAACAGC TTTGCCACGA TTGGATTTCC CTGCCCAGGG GAGGCTGGCC ACCAAACAGA	GGCTTTCCAA GAAAGGGCAT	CATTTTTGTC TCGACTTACT	ATTGGCAATG GTTGCTGAAG	GCAATAAACC AGAGAGATAA	120 180

	TGCACAANTA AACAGTGAAT	TCTCAAA				267
5	SEQ ID NO:3480 SEQUENCE LENGTH:263 SEQUENCE TYPE:nucleic	acid				
10	TOPOLOGY:linear CLONE:HUMGSO4091 SEQUENCE DESCRIPTION: GATCCCTGGA GTGCCTTGGT	GTTTC A ACCC	CCTCC AGGA A	CCACAATCCA	NOTTHTO A CO	60
	CACCTCCAGC TGCCCCCGGC TTGCTGCCAG GCACTGTTCA GCTGAAAGTT CATATCTGGA	CGGGGGATGC TCTCAGCTTT	GAGGCTCGGA TCTGTCCCTT	GCACCCTTGC TGCTCCCGGC	CCGGCTGTGA AAGCGCTTCT	180
15	AGGACAGTTC TTCGTGCCTG					263
20	SEQ ID NO:3481 SEQUENCE LENGTH:257 SEQUENCE TYPE:nucleic	acid				
20	TOPOLOGY:linear CLONE:HUMGSO4092 SEQUENCE DESCRIPTION:					
25	GATCGGGAAC AAATGNAATC ATGTTGCTTT GGCTTTGTAA CTTTTTAAAA TGTCTCGGCT TAAGATTTGA GGGATATAAG	ATTTAAATAT AGCTAGACCA	GTAAGTGCTA CAGATATCTT	TATAAGTCAG CTAGACATAT	GAGCAGCTGT TGAACACATT	180 240
30	TAACTGTTTA CGTTAAA					257
	SEQ ID NO:3482 SEQUENCE LENGTH:255 SEQUENCE TYPE:nucleic	acid				
<b>35</b>	TOPOLOGY:linear CLONE:HUMGSO4093 SEQUENCE DESCRIPTION: GATCTACATT TTGTACATAT	<b>~~~</b>	<b>ጥጥ 4</b> ሮ ሮ ጥጥጥ 4	4 CT 1 TT 1 CT	· · · · · · · · · · · · · · · · · · ·	60
40	TAATGGCTTA ACTCGAACTT GATAATTTTN ATTTTCCTNG ATTTTGCATT AAAANTAGTG	GAAGACACAT CTTTTATAGA	ACTTCAACTG TTTNNCTATA	TCCTTATTGT TAGGAATCAA	CCATTAANCT GATTTANGAA	120 180 240
	GGGAAGAGGA TTGTN					255
45	SEQ ID NO:3483 SEQUENCE LENGTH:255 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
50	CLONE:HUMGS04094 SEQUENCE DESCRIPTION: GATCTGAAAT NAGAAATATC	CAACATTGCA	CGAGTATCTT	TNTTTATNCC	TCCACAGACT	60

	AGCACCATTC CTGGCATTCA					
	CTGTCAATAG CCTAGGGCTG					
5	TTTTNGNTTT ATAAA					255
	SEQ ID NO:3484					
	SEQUENCE LENGTH: 253					
10	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear	•				
	CLONE: HUMGS04095					
	SEQUENCE DESCRIPTION:					
15	GATCTAGGTG GTTTGTAATT					60
	GGGCTCCCTG TTAAGTGGGG					
	TGTTACGTTA ACATGCTTTT					
	CATTGACTGT TTTTGTTCTT	TTCCATTCAC	TTTGTACTTA	TTTTTTCAT	TAAATTTTGC	
	ATTTATTTTG AAA					253
20	SEQ ID NO:3485					
	SEQUENCE LENGTH: 251					
	SEQUENCE TYPE:nucleic	aaid				
	TOPOLOGY: linear	aciu				
25	CLONE: HUMGS04096					
	SEQUENCE DESCRIPTION:					
	GATCCTAGTT CCTTCCTTCC	CGAGTGATAC	CCATGAACTG	CCAGTAGAGG	CTGCTATCGT	60
	TCCATGTGTA AGGAATGAAC					
30	ATACTAATTC TTCCTGAATA					
	CAAATTACTT GGAGGGCTGC					
	TCCACNNTAA A					251
05	SEQ ID NO:3486					
35	SEQUENCE LENGTH: 249					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS04097					
40	SEQUENCE DESCRIPTION:					
	GATCATACGG CCTTCCAGGA	GACGCTGGGA	TGTAAGATAC	TCTTGGAGGN	TGGCTCTGAA	60
	CTCGGGTGTC TGAATCACAG	GGCAAGGGTA	GGCGTGGGCT	GTGGCTAACA	GCAGAGTCAC	120
	TTCCCTGGCC TAGCTTGGGG	ACCTGGGGAG	GAGGAGGTAG	CTCTGGACAC	CAGGGTTCTT	180
45	CCCATTGTGG GAGAGTNAGT	TTTTTAGGGG	GAGACCTGTC	CCCCAGATTA	AAGAACTGGG	240
	AGCCCTAAA					249
	SEQ ID NO:3487					
50	SEQUENCE LENGTH: 248					
	SEQUENCE TYPE:nucleic	acid	•			
	TOPOLOGY: linear					

	CLONE: HUMGS04098 SEQUENCE DESCRIPTION:	٠.				
	GATCAAAGAA GAGAGTAAAG	CTATGTCTTC	AATTTAATTT	CAATACCTGA	TTTGTACTTT	60
5	CCTTGAAAGC TTTACTTTAA	AATACCTTAC	TTATAGGCCT	GGTGTCATGC	TATAAGTATG	120
	TACATACAGT TTCACTTCAA	AAATAAAAA	AAANTCCCTA	AAANCTCTCT	ATACTCTCTA	180
	TAACANTNCT TTATCANGAN	CTCTGGNCAA	TGGTATTATT	TNGGANANTC	ATGGTGATGT	240
	ATTTNTNN					248
10	000 ID NO 0400					
	SEQ ID NO:3488					
	SEQUENCE LENGTH: 245	.,				
	SEQUENCE TYPE:nucleic	acid				
15	TOPOLOGY: linear CLONE: HUMGS04099					
	SEQUENCE DESCRIPTION:	10000000110		GGG 1 1 0 0 0 0 1 0		
	GATCTGTGTT GTAGAACATG					
	CCCACACTTG TGAAGGTTTT					
20	TTTTAATTTT TACTGTTTTA					
	TTCATAAAAG TATCCCTTTC	AAAIGCCIII	GAGAAGANIA	UANUAAAAAA	AGIIIGIAIA	
	IAIIN					245
	SEQ ID NO:3489	•				
25	SEQUENCE LENGTH: 246					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear				•	
	CLONE: HUMGS04100					
30	SEQUENCE DESCRIPTION:					
	GATCCTGATN ATATTTGGCA	GCTGTCCTCC	AGTCTTAAAA	GGTTTGATGA	CAAATACACC	60
	TTGAAGCTGA CCTTCATCAG	TGGGAGAACA	AAGCAGCAGC	GGGAAGCCGA	GTTCACAAAG	120
	TCCATTGCTA AGTTTTTTTG	ACCACAGTGG	GACACTGGTC	ATGGATGCAT	ATGNGCCTGA	180
35	AATATCCAGG CTCCATGACA	GTCTTGCCAT	${\bf AGAAAGANAA}$	ATAAAGTAGC	CACTTCTANA	240
	AGTAAA					246
	SEQ ID NO:3490					
	SEQUENCE LENGTH: 239					
40	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	acra				
	CLONE: HUMGS 04101					
	SEQUENCE DESCRIPTION:					
45	GATCCTGGGT ACTGAAAGNC	TTAGGGAAGC	TGGCCTGAGA	GGGGAAGCGG	CCCTAAGGGA	60
70	GTATCTAAGA ACAAAAGCGA					
	ATGAGGAAGG AACAGCAATG					
	AGTTTTTACT TTTTTTGTTT					239
60						
50	SEQ ID NO:3491					
	SEQUENCE LENGTH: 239					

	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
<i>E</i>	CLONE: HUMGS04102					
5	SEQUENCE DESCRIPTION:	CATCOTORCA	1 <b>7</b> 7 <b>7</b> 1 7 1 7 1 7 1 7	CCCLCCTLNC	T0T0T0T110	٥0
	GATCTGGGGA AAGGAGAGAC GCAGGCCTGT GGATGAAGGA					60
	AGGTTGGGGG CCCCNGNCCN					
	TCTGTAGCAG GAGCTAGGGC					239
10	tordindond undorndade	Ideluctor	derconnunc	AAUAATUAAO	Cludolulii	203
	SEQ ID NO:3492		•			
	SEQUENCE LENGTH: 244					
	SEQUENCE TYPE: nucleic	acid				
15	TOPOLOGY:linear					
	CLONE: HUMGS04103					
	SEQUENCE DESCRIPTION:					
	GATCTGTGTT TCCTCCCCAG	TCATCTTTCT	TGTTCCAGAG	AGGTGGGGCT	GGATGTCTCC	60
20	ATCTCTGTCT CAACTTTATG	TGCACTGAGC	TGCAACTTCT	TACTTCCCTA	CTGAAAATAA	120
	GAATCTGAAT ATAAATTTGT	TTTCTCAAAT	ATTTGCTATG	AGAGGTTGAT	GGATTAATTA	180
	AATAAGTCAA TTCCTGGAAT	TTGAAAGAGC	AAATAAAGAC	CTGAGAACCT	TCCAGAATCT	240
	GAAA					244
25	SEQ ID NO:3493					
	SEQUENCE LENGTH: 235	•				
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear	acru				
30	CLONE: HUMGS 04104					
	SEQUENCE DESCRIPTION:					
	GATCCATAAA AGATTGTATT	TTTATTACTA	TTTAAACAAG	TGATTAAATT	TAGTCTGCAC	60
	ANNNAGCAAG GGTTCACATG					
35	AACATTTTGT ATGTTTCTNC	TTATCTGTGT	ATACAGTATG	TTCTTGAATG	ATGTTCATTT	180
35	GTCAGGAGNN CTGTGAGAAA	TAAACTATGT	GGATACTGTC	TGTTTATATT	ATAAA	235
	<b></b>	÷				
	SEQ ID NO:3494					
40	SEQUENCE LENGTH: 233					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS04105					
	SEQUENCE DESCRIPTION:	0770706110	ATTCC	*********	CACCCAAATT	60
45	GATCGACTGT AAATAGAGGA GCTGCTGTCT ACAAAATGCC					
	CACTTTGGGA GNCTGAGGTA					
	CAATATAGCA AGACCACGTC					233
50						
50	SEQ ID NO: 3495					
	SEQUENCE LENGTH: 243					

5	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO4106 SEQUENCE DESCRIPTION:				•	
J	GATCATGGAG ACCTGGCTGG	TAGCTGTAAC				
	TCTCTGGTGA ATGGNACTTT					
	CTGTGTCCTG CCACCATGTG					
10	CATGTGTNCT CCATTCTTGT	GAGCATCCTA	ATNNNTCNNT	TCCATTTTNA	TGACAGGANG	240 243
	SEQ ID NO:3496					
	SEQUENCE LENGTH: 231			<b>A</b>		
15	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	acra				
	CLONE: HUMGS04107					
	SEQUENCE DESCRIPTION:					
20	GATCCAGAAC TGAGGTCACT	GGGTTCTAGA	ACNGNNACAT	TTACCTCGAG	CCTCTTCCAT	60
20	CCCCAAACTG TGCCCTGCCT					
	CTGTGTCTGC ACCGCTTGGT					
	TGTGTCCGGA GATGAGATGA					231
25	SEQ ID NO:3497					
	SEQUENCE LENGTH: 231					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
30	CLONE: HUMGS04108				•	
	SEQUENCE DESCRIPTION:		•			
	GATCTGCAGC CAGGCCTTTC					60
	AAAGCCAGCT CTTGAACCTC					
35	ATGCGTGCGA GAAGTCAGTG					180
	TAAAAAACAA AGACTGTAAG	CCTGTGTGTG	CCACTGNNNG	CTTCAACNGN	N	231
	SEQ ID NO:3498					
	SEQUENCE LENGTH: 224					
40	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS04109		-			
	SEQUENCE DESCRIPTION:		•			
45	GATCCCAGTT TGCAGCAAAC	CCCACACCCC	AGCTCACACA	GCAAAAACAA	TGGACAGGCC	60
•	CAGAGGGTGA AGCAAACAGT					
	ATTTATTINA CCTCTTTCCC				AAGAATCTNT	180
	TCAGTCCCTC TCCTTCTCAA	TAAAAGCATC	TTCAAGCTTG	TAAA		224
50	SEQ ID NO:3499					
	SEQUENCE LENGTH: 294					

	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS04110	acid				
5	SEQUENCE DESCRIPTION:					
	GATCGGGAAC AAGCACGTTG					60
	GGCGGCAAGC TGACCGCACA					
	TTTTGACAGC TCTGCTGCCC					
10	GGTGTCACCA GCCTTTTCTT					
	AAAGCNAANC CNTGGGAATA	ATGGTTTNTT	TGGANTNAAA	CCCANNATTT	CAGN	294
	SEQ ID NO:3500					
	SEQUENCE LENGTH: 221					
15	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS04111					
	SEQUENCE DESCRIPTION:					
20	GATCCAAGTT TGATAACATT					60
	AACAGCTTAG ATGGGAGGCT					
	TCATCAGGAA AAGGAAACAT				AAANCTAAAA	
	NCCAAGGGAA ATGAGTTATT	ANTGTAANTN	ATAGNTTAAN	N		221
25	SEQ ID NO:3501					
	SEQUENCE LENGTH: 220					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
30	CLONE: HUMGSO4112					
	SEQUENCE DESCRIPTION:					
	GATCTAATTG TATTAGTATT					
	TTTGTGAATA TAATNNTATG					
35	AAATTGCTTT CTGCTGTATA				TTTNCTGTGA	
	ATAAAACGNN NNCAATAAAA	TACTATTCTT	TAAAATTAAA			220
	SEQ ID NO:3502					
	SEQUENCE LENGTH: 226					
40	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGSO4113	-				
	SEQUENCE DESCRIPTION:					
45	GATCTGGACA CCCTGTCTCC					
	CTCCAGTCGA GGAAGGAGTA					
	CGACAGTTCT GGACCAGGAC				GGACATTGCT	
	AAGATGGGAG GGCTGTTCTT	AAATNACTCG	TTCTTGAAGC	IGCAAA		226
50	SEQ ID NO:3503					
	SEQUENCE LENGTH: 215					

	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE: HUMGS04114					
5	SEQUENCE DESCRIPTION:		•			
	GATCATGCCG AAAAAGTGGC	GGAAAAGCTA	GAAGCTCTCT	CGGTGAAGAN	GANNCCAAGG	60
	AGGATGCTGA GGAGAAGCAA					120
	CCTTTTTTNA AAAAATTTTA					
	TTACAAGGGA CGTTATATAA					215
10						
	SEQ ID NO:3504					
	SEQUENCE LENGTH: 213					
	SEQUENCE TYPE: nucleic	acid				
15	TOPOLOGY: linear					
	CLONE: HUMGS04115					
	SEQUENCE DESCRIPTION:					
	GATCTNTTCT TAATGTACAT	AGTGCTAACA	TGAAGACCTT	TTTNTGCACT	ATATGCAAAC	60
20	AGGGTAACTA ACTAAAACAA					
	TTATNACAGT AATTGTNTTT	ACATTTNATG	GTGCCTAGTA	TTGACAAAAT	GTTATTTCCC	180
•	TACATTAAAC ATGACTCCAT	AGACCTTTTC	AAA			213
	SEQ ID NO:3505					
25	SEQUENCE LENGTH:212					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS04116					
30	SEQUENCE DESCRIPTION:					
	GATCTAATGT AAAATCCAGA					60
	AAATGTGTGC ATTAAATATG					
	GCTGCCTTTC TATTTACTTG			TTTTATGAGC	TATGAAATAA	
35	AACATTTNAA NCTGAATTNN	TTAACTNTGA	AA		•	212
	SEQ ID NO:3506					
	SEQUENCE LENGTH:211					
	SEQUENCE TYPE:nucleic	acid				
40	TOPOLOGY: linear					
	CLONE: HUMGS04117					
	SEQUENCE DESCRIPTION:			<b></b>		
	GATCAGAGAT GCTGTTCATC					
45	CCTTGCTGCT GCTTTAATTC					
	GGCGGATACA GGAAACACCC			AGTGGAATTT	CTATTTAAGG	
	GGCTCATTAA AGCATAGTAT	TTATACACAA	Α.			211
50	SEQ ID NO:3507					
•	SEQUENCE LENGTH: 209					
	SEQUENCE TYPE:nucleic	acid				

5	TOPOLOGY:linear CLONE:HUMGSO4118 SEQUENCE DESCRIPTION: GATCGAGATN CAAAGCCACA CGGTGTTATG CTGCTTTCTT AGAATCATTT ATTCCATAGT GGGAGAGGGG AGGACATAAA	CTTTGACAAG CAGCTAACTG	GCCATGACTA	AGAAGGCTCT	AAGTAAAGGA	120
15	SEQ ID NO:3508 SEQUENCE LENGTH:208 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
20	CLONE: HUMGSO4119 SEQUENCE DESCRIPTION: GATCCCCTCT TNAGTCCNCT GGAGGAGGG ACAGCTTCAC GTTTCTGTTT TGTAATTTAA	CCTTGGAAGT GAAGAGCTAT	CCTGGGGTTT	TTCCTCTTNC	GCCCCTTGTG	
25	ATAAATGGGA CCTGTGCACA SEQ ID NO:3509 SEQUENCE LENGTH:322					208
_	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO4120 SEQUENCE DESCRIPTION:					
30	GATCCAAGCA TATAAAAAGC CGATATTATA AAAGTTGAAT AATAACTNNC TGATAGCTGC TGAACCAAAG GATATTCCA	GGTTCCTCTT GTTAACATAC GAAAGGATTA	GGTAAGGATA TTNGTTTTGC AGAAAGCTGT	TTTGCTTACA CTAGAGAGGG TTAAGANGGC	AGTGCTAGGA GCAATAAAAA CATGACTCTT	120 180 240
35	TAGGTGTGTA TGTGTACCTT TTCCCAGTTA GTCTTCTTCA SEQ ID NO:3510		AGGAATTTTN	ATACTAAAAG	CAAAATGTTT	300 322
40	SEQUENCE LENGTH: 205 SEQUENCE TYPE: nucleic TOPOLOGY: linear CLONE: HUMGSO4121 SEQUENCE DESCRIPTION:	acid				
45	GATCCGNCCA CCTNGGCCTC CCTCTTTTAA TTTATNCCTA GTGCACCAAG TGCTGGGGTG TAAATTGTGT GGTTCAAATC	AAATATTACC GGGGCTGGTT	TTGAGGCCAA	ATNCTGCGCT	TAAGGAGAAT	120
50	SEQ ID NO:3511 SEQUENCE LENGTH:205					

5	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO4122 SEQUENCE DESCRIPTION:	acid				
v	GATCCCTCAC TTTATTTATA ATGCATTAAT CATTGNATGN					60 120
10	CCGGCAATGA ACGTACCAAA CCTGGAGCTT TTCCAAAAGC	ACCGCCAAGG				
15	SEQ ID NO:3512 SEQUENCE LENGTH:204 SEQUENCE TYPE:nucleic	acid				
79	TOPOLOGY:linear CLONE:HUNGSO4123 SEQUENCE DESCRIPTION:					
•	GATCTAAAAC GGCTATTTAA					
20	TAAATGTTTT TAAATTAACT TTTTAAAACA CGNTTGTNTG					
	ATTCGTCTGN GTTCTCAGNG		AUCAIAIIII	IUUAAUIAAI	AAAGCICAGI	204
25	SEQ ID NO:3513 SEQUENCE LENGTH:201					
	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO4125	acid				
30	SEQUENCE DESCRIPTION:					
	GATCTCTCTC ATTCATTTCA					60
	ATTTAAGATG TACAGGCATC					
35	CACTGTGAAC ATGTGTACCC CAGTTTTTTA TAATGTTGAA		AIGCAAIAII	GITICCAATC	CIINCIAAIA	201
	SEQ ID NO:3514 SEQUENCE LENGTH:200					
40	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS04126	acid				
	SEQUENCE DESCRIPTION:	### 1 CO#NO 1	1010011011	CTTC LO LO LO		~~
45	GATCCAATTT ACATCCACAT ACCAGACATT GGGTCACTCA					60
45	TTGTAGCAAA TGGGAATAAA					
	GTGCTGTTTT TAATTNGAAA					200
50	SEQ ID NO:3515 SEQUENCE LENGTH:209 SEQUENCE TYPE:nucleic	anid				
	DESCRIPTION LIFE.HUCIEIC	aciu				

5	TOPOLOGY:linear CLONE:HUMGSO4127 SEQUENCE DESCRIPTION: GATCTTAGTT TTCTTTTGTT AGGGGGGGTG TTGTGGTTTT CCTCTCCCAA CATAACAATC AATGTAAGTA AAAAAAGGAA	TTGTTTTTGT GTGGTAACAG	TTTGCTTCTG	AGAAAGCATT	TGCCTTTCTT	120
10	SEQ ID NO:3516 SEQUENCE LENGTH:198			•		
	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
15	CLONE: HUMGSO4128 SEQUENCE DESCRIPTION:	1.C.1.TECOT. 1.C.	0 L L C T C C C T T	######################################	G	
	GATCCATTCC CTGCAACTNA					60
	GGTTGGNAGG AGGTAAAGAG					
20	TCCTAACTAT NCANATTCCT GACCCCCATC TCTCTAAA	TGAGCCCAGG	AGIIIGAGIC	CAGCCTGGAC	AACATATTGA	180 198
25	SEQ ID NO:3517 SEQUENCE LENGTH:191 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO4129 SEQUENCE DESCRIPTION:	acid				150
30	GATCATGAAT AGGAGCCCAT	GCTAGAAGTA	CATTCTCTCA	CATTTCAACC	ACTCAAATAT	60
	GATGTATTTC TGAGCTAAAA					
	AAGTAACCAC CACTTCTGCC					
	TTAACTTCAA A			01110101111		191
35						
55	SEQ ID NO:3518					
	SEQUENCE LENGTH: 191					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
40	CLONE: HUMGS04130					
	SEQUENCE DESCRIPTION:					
	GATCCAGGCA GCCAAGAACT					
	CGCCTCTACC AAATACCAAA					
45	ATGGAAGATG AAGGCACCAG	NGNNAAAGCC	ATTGGTGAAG	AGAGAGAAAC	AGGATGAGAC	
	ACAGACCAAG N					191
	SEQ ID NO:3519					
	SEQUENCE LENGTH: 187					
50	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					

5	CLONE: HUMGSO4131 SEQUENCE DESCRIPTION: GATCTCCCCC AAAGATTCCA GGCGGTGCAA CCCTGCNTGT TCGAGGTGGA GCTGCTCAAA 60 ATAGAGCGAC GAACTGAGCT GTAACCAGAC TGGGGAGGGG CAGGGGGAGA GGCCCCCATC 120 AGGGACCAGA CTGTTCCAGA AAAAAAACAA AAAACANAAA CAAACAAAAA AACACTTAAA 180
10	AGCCAAA 187 SEQ ID NO:3520 SEQUENCE LENGTH:184
15	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO4132 SEQUENCE DESCRIPTION:
	GATCGAGACT CTNCCAGAAA ACAAAACAAA ACAAAAAAAA ATCCGTTTCT AAGGACGGCG 60 GGGATTCGGT TCGAGCCCGT GGCTGCTCTG TTTTGTTTTG
20	CAAA 184
25	SEQ ID NO:3521 SEQUENCE LENGTH:177 SEQUENCE TYPE:nucleic acid
	TOPOLOGY:linear CLONE:HUMGSO4133 SEQUENCE DESCRIPTION: GATCAGATGA CCATTGAGGA CTTGAATGAA GCTTTCCCAG AAACCAAATT AGACAAGAAA 60
30	AAGTATCCCT ATTGGCCTCA CCAACCAATT GAGAATTTAT AAAATTGAGT CCAGGAGGAA 120 GCTCTGGCCC TTGTATTACA CATTCTGGAC ATTAAAAATA ATAATTATAC AGTTAAA 177
35	SEQ ID NO:3522 SEQUENCE LENGTH:220 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
40	CLONE: HUMGS04134 SEQUENCE DESCRIPTION: GATCCCATCC GAAGCTCAGG GTATGGAGAG CGGGGAGCTC CNCCAAAGAT TCCAGGCGGT 60 GCANCCTGGT GTTCGAGGTG GAGCTGCTCA AAATAGAGCG ACGAACTGAG CTGTAACCAG 120
	ACTGGGGAGG GGCAGGGGGA GAGGCCCCCA TCAGGGACCA GACTGTTCCA AAAAAAAACA 180 AAAAANCAAA ANCAAACAAA AAAACACTTA AAAGCCCAAA 220
45	SEQ ID NO:3523 SEQUENCE LENGTH:172 SEQUENCE TYPE:nucleic acid
50	TOPOLOGY:linear CLONE:HUMGSO4135 SEQUENCE DESCRIPTION:

	GATCCTACCT AAGGGGCACA ACTAGTAAGG GAGTAGAGCT GAGATTGGCT CCAGAGTTCT 6	0
	TGTTTTCAGC CACCATTTTA TGCTGCCTCT CCAGTNATTT TTTTTCCCAT TTTCTTCAGT 12	0
	NTTTCTATAG CAGAGATTTG ATAATAAAAA GAAAATCCTA AACAATGAGA AA 17	
5		
	SEQ ID NO: 3524	
·	SEQUENCE LENGTH: 169	
	SEQUENCE TYPE: nucleic acid	
10	TOPOLOGY: linear	
	CLONE: HUMGS04136	
	SEQUENCE DESCRIPTION:	
	GATCGCACTG CGCAGGGGTG CCACGGAGCT CACCCACGAG GACTACATGG AAGGCATCCT 60	)
	GGAGGTGCAG GCCAAGAAGA AAGCCAACCT ACAATACTAC GCCTAGGGCA CACAGGCCAG 120	)
15	CCCCAGTNTC ACGGCTGAAG TGCGCAATAA AAGATGGTTT AGGGTCAAA 169	
	SEQ ID NO:3525	
_	SEQUENCE LENGTH: 169	
20	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUNGSO4137	
	SEQUENCE DESCRIPTION:	
25	GATCTCAGGC ATCGGATTAT TTCTCCTGTA AATATTTCAG AATGTATCTN TCCAAGATGA 60	
	GAGCTCATTA AAAGACAATT ACAAAGCTTA TCACATCCAA AAGANTTATC AATAATTTTN 120	)
	AAATATTATT AANCGTGTAA TAAATNTNCA AAGTNCCACT TGCCTTAAA 169	1
	SEQ ID NO:3526	
30	SEQUENCE LENGTH: 165	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY:linear	
	CLONE: HUNGSO4139	
35	SEQUENCE DESCRIPTION:	
	GATCAAAANG AGTNAANCTA TCCAAAAAAA ATTTGTATAT TTGGGAAAAA TGGATTTTTA 60	į
	CATAGCTTTT GTATGCAGAT ATAAAACTGT AATTATGAAT ATAGTGGGCG TAGATAAACT 120	į
	CATAAGCTTA AATTCTAAAA ANGAAAAAGC TTATACCANG ATAAA 165	
40	SEQ ID NO:3527	
	SEQUENCE LENGTH: 165	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
45	CLONE: HUMGSO4140	
	SEQUENCE DESCRIPTION:	
	GATCAGCCGA TGACAGAGAT TGTAAGCCGT GTGTCGAAGC GAAAGTTGGA GCCGCCACGT 60	
	GCGGGCNCTG GTGCTTNANC TGTGCTGTAA CGACGAGAGC GGCGAGGATG TCGAGNTTCC 120	
50	CTATGTCCGA NACACCATCC GCTGACCCCG TNTGNTCCTN TAGGN 165	
υ	_	
	SEQ ID NO:3528	

	SEQUENCE LENGTH: 165					
	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
5	CLONE: HUMGS04141					
	SEQUENCE DESCRIPTION:	T01010101100	1.070 1 1.000mm 1		A	
	GATCCATTTG AAAGTNATTT GGCTAAANTG GGAGGACCAC					
10	GCCACTGCAC TACAATCTGG					165
	SEQ ID NO:3529					
	SEQUENCE LENGTH: 161					
15	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear CLONE: HUMGS04142					
	SEQUENCE DESCRIPTION:					
	GATCCTGTGT TTGCAACTGG					
20 .	GAACATTTGA TGCAAGATGG CTTGTAGCAA AATAAAGATG				TACTTACTGC	120 161
	SEQ ID NO:3530 SEQUENCE LENGTH:161					
25	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGSO4143 SEQUENCE DESCRIPTION:					
30	GATCAGTCAT CCACCAGGAA	CGAAGATTTC	CTGAAGAAGA	CCTGGTCCCT	CTGGAGGTTG	60
	CGGTGGCTGA AGGATGCATC				TGGGTCACAG	
	AGGCCAAATG TGAGAGCATT	GAATAAATAT	CTTAAGCTAA	A		161
35	SEQ ID NO:3531					
	SEQUENCE LENGTH: 159 SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear	acru				
40	CLONE: HUMGS04144					
70	SEQUENCE DESCRIPTION: GATCTCGTGA AGCCCGCAAG	GACCGAACAC	CCCCACCCC	ATTTAGACCT	CCCCCTCCTC	60
	CCCCACGTCC CCCACCAAAG					
	TATTCTCTGG AGAAAAATAA	AATGGAAATT	GTACTTAAA			159
45	SEQ ID NO:3532					
	SEQUENCE LENGTH: 386					
	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
50	CLONE: HUNGS 04145					
	SEQUENCE DESCRIPTION:					

	GATCCTTACA GTAGAGGTGA CCCCTGTAAT ACCATCTGCT GCCGTGAGGA CCTGAACTCA 6
	CCTAACCCAA GTCCTGGAGG TTNNNNNGAC ACAAAGGTGG CAGATATCTA CCTAGCATCT 12
	CAGTACACAT CCTATGCCAT AAGTGGTCCC ACAGTACAAG GTGGCCTCCC TGTTTTTCGC 18
5	TGGGACCGTT TCAACAAAAC TCTACATCAG GGCATGCCAG AGGTCTACAA CTTTGATTTT 240
	ATTACCATGA AACCAATTTT GAAACTTGAT ATAAAATGNA GGAGGGAGAT GACGGACTAG 300
	AAGACTGTAA ATAAGATACC AAAGGCACTA TTTTAGCTAT GTTTTTCCCA TCAGAATTAT 36
	GCAATAAATT INITAATITI GTCAAA 380
10	
	SEQ ID NO:3533
	SEQUENCE LENGTH: 391
	SEQUENCE TYPE: nucleic acid
	TOPOLOGY: linear
15	CLONE: HUMGS04146
	SEQUENCE DESCRIPTION:
	GATCAGATTA AACCATTGAA GTTGGAAGTT CATNAGGCTA AGCCTGTNCC AGAAAATCAC 60
	CCACAGTGGG ATACAGCAAT AGAGGGGGAT GAAGACCAGG AGGACAGTGA GGGCTTTGAA 120
20	GATAGCTTIN AGGAAGAAGA GGAGGAAGAA GAAGATGATG ACTAAGCAGT ACTCTGAATG 180
	GNCCACAGTG TTTGCACATA TTTNCAATTT TTTNCTGTTT TGGAAGTGTA TCATAAACCA 240
	GAAACAGTAC AGAACTGATG TTGNGGGNGG TGTNGTTTTT TTACTCTAGA NATGGGTGCA 300
	TAATATNACT AGGCAGTGGC GGTGCCTTGG TNCANCCTGN AAAATGTTAA GGCTTTNTTG 360
05	AAACCTTTCC AGTNGGGGNT GGTCCNTTNA N 391
25	
	SEQ ID NO:3534
	SEQUENCE LENGTH: 157
-	SEQUENCE TYPE: nucleic acid
30	TOPOLOGY: linear
	CLONE: HUMGS04147
	SEQUENCE DESCRIPTION:
	GATCCGCCCG ACTCGGCCTC CCAAAATGCT GGGATTACAG GCGTGAGCAT TCAAGTCTGG 60
35	CGAGAGAGAT TGTTTCTAGA TGAGGGTGGG GGCGGGTGTC CTTAGCCCAA AGCTTGTGCC 120
00	AGTCTCTATC GGAAATAAAT GCCCCCAAAA CCTCAAA 157
	SEQ ID NO: 3535
	SEQUENCE LENGTH: 154
40	SEQUENCE TYPE: nucleic acid
	TOPOLOGY:linear
	CLONE: HUMGSO4148
	SEQUENCE DESCRIPTION:
45	GATCTACAGC AAAACACAGC GGGAGAGGTT CGCCTGGGCT CTCGCCATGG CAGGAGAAGA 60
	CTTTGAATTC TAACGACGAG CCGTGTTGAA ACTTCTTTTG TATGTGTGTG TGTTTTTTTC 120
	ACTATTAAAG CAGTACTGGG GAATTTTGTA CAAA 154
	SEQ ID NO:3536
50	SEQUENCE LENGTH: 151
	SEQUENCE TYPE:nucleic acid

5	TOPOLOGY:linear CLONE:HUMGSO4149 SEQUENCE DESCRIPTION: GATCTAGGCA ATGATTTAGA TGTGTTTCAA ATTTTGCCTT TTTTAAAAGT AAAGCTGCTG	TCTGAACTAT	TTAAAATTAT			
10	SEQ ID NO:3537 SEQUENCE LENGTH:355 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
15	CLONE: HUMGS04150 SEQUENCE DESCRIPTION: GATCTATGAA AGCGGGGAGA AGAAAACAAA GAACCATTAT					
20	TTAGTGTTGA CGCCAACATA				-	
20	GGTCGTTGGT ATGTAATCCA			- · · · · · · · · · · · · · · ·		
	AATATATGTA CCACACTACT GGTGATTTAA GTGAGTCACA					
	GGIGATITAA GIGAGICACA	AGICACAAAA	CITIGULATI	CATAGIITAT	CINGN	355
25	SEQ ID NO:3538					
	SEQUENCE LENGTH: 148					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
30	CLONE: HUMGS04151				•	
30	SEQUENCE DESCRIPTION:					
	GATCTCTGCT TCCTGTACCT			÷		60
	GAAGAGGAAA ATTGAAATCT		TGCTGTGTGT	ATTTATGANT	ATTAATGAAT	
	AAAAACTGCT TGGATGGTTT	ACCTTAAA				148
35	CEO ID NO. 2520	•				
	SEQ ID NO:3539 SEQUENCE LENGTH:148					
	SEQUENCE TYPE: nucleic	noid				
	TOPOLOGY: linear	aciu				
40	CLONE: HUMGS 04152					
	SEQUENCE DESCRIPTION:					
	GATCAACAAC TNGNTACTCT	CGGGAAGACT	CCTCTACTCA	CAGCTGAAGA	AAATGAGCAC	60
	ACCCTTCACA CTGTTATTAC					
45	TGTAAATAAA ATTNAGTTCT	CATTTAAA				148
	SEQ ID NO:3540					
	SEQUENCE LENGTH: 147					
50	SEQUENCE TYPE: nucleic	acid			•	
30	TOPOLOGY: linear					
	CLONE: HUMGS04153			•		

5	SEQUENCE DESCRIPTION: GATCAGAGTA AACAAAAGGA GTGACTGTTG ATACTGGAGT GCAGAAGATG ACAATGAAGG	AATTCCTGCC		
10	SEQ ID NO:3541 SEQUENCE LENGTH:146 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO4154	acid		
15	SEQUENCE DESCRIPTION: GATCGTGGCG CATGGCTTGG TTCTTGTTCT CTCCTCCAAA AAACATGTGG CTTGGAAAGG	AGTAGCTTCC	 	 60 120 146
. 20	SEQ ID NO:3542 SEQUENCE LENGTH:144 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO4155	acid		
25	SEQUENCE DESCRIPTION: GATCTTTAAG GACAAGTTTA GGAGAGGAAG AGTGTTCCTG TTATAAAGCC CTCGTCAGAA	ATTGTTTTTT		60 120 144
30	SEQ ID NO:3543 SEQUENCE LENGTH:140 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid		
35	CLONE:HUMGSO4156 SEQUENCE DESCRIPTION: GATCTGGGTT TTNATATCTT ATGCNTTAGG TCTTCTTAAA NAATAAAANG TTACATGAAA			60 120 140
40	SEQ ID NO:3544 SEQUENCE LENGTH:138			
45	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO4157 SEQUENCE DESCRIPTION:			
50	GATCAGCAAT GAAGAACTGG TAGGCATTCC CCCCAGGTCT			

5	SEQ ID NO:3545  SEQUENCE LENGTH:137  SEQUENCE TYPE:nucleic acid  TOPOLOGY:linear  CLONE:HUMGSO4158  SEQUENCE DESCRIPTION:  GATCTAAATG GGCCCAGGTG TTTACCCTTA TNTNGTTTTC TGCTAAATNA TGGAGGTTTG 60  GGGAGTTCCT TCTCCACTTG TTTGTGGAGG CCTGGGGAGT TTTTNNAGAC CCCCAGTAAA 120
10	ACTNGTTTAA TCCTAAA 13
15	SEQ ID NO:3546  SEQUENCE LENGTH:136  SEQUENCE TYPE:nucleic acid  TOPOLOGY:linear  CLONE:HUMGSO4159  SEQUENCE DESCRIPTION:
20	GATCCCTGTA GAGGTGGTAT TAAAGATGGT CACTGAGATT AAGAAGATTC CTGGTATTTC 60
	TCGAATTATG TATGACTTAA CATCAAAGCC CCCAGGAACT ACTGAGTGGG AGTAATAAAC 120
	TTCTTGTTCT ATTAAA 136
25	SEQ ID NO:3547 SEQUENCE LENGTH:135
	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO4160
30	SEQUENCE DESCRIPTION: GATCCTAAAA TNNTCTACTT TTGTNGCCTT ATCAGTNCTT TGCAATCTGC CTGTGGTTAT 60
	CAGCACTTAA AGCACAATTT TGAAGGGGAA AAAAATGATA ATCACCTTAG TCCCAAAGAA 120
	ATAATTTGTC ANNCN 135
35	
	SEQ ID NO:3548
	SEQUENCE LENGTH:134 SEQUENCE TYPE:nucleic acid
	TOPOLOGY: linear
40	CLONE: HUNGSO4161
	SEQUENCE DESCRIPTION:
	GATCTGGACT GGCTGGGAGT GGGGAGGGCG TGGAGACAGT CTACGGAAAG CGCTANAGGA 60 CCCCCGAGAG GGTGCAGTGG AGCCCTGAGC ATTGTAATAT GCGGCCCAGC CTATAAACAG 120
45	CCTCCGTGCT TAAA 134
45	104
	SEQ ID NO:3549
	SEQUENCE LENGTH: 134
50	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS04162

5 ·	SEQUENCE DESCRIPTION: GATCCTTTGC TGTAAACTNG TCATCACCCA ATTGGATGTT TTTGCAAAAC TAAA					
10	SEQ ID NO:3550 SEQUENCE LENGTH:133 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO4163	acid				
15	SEQUENCE DESCRIPTION: GATCTATGGG AAGATACTTA TCAAGAGAAT TTATGTGAAA GCTGCTCCTG AAA					60 120 133
20	SEQ ID NO:3551 SEQUENCE LENGTH:132 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid	·	•••		
25	CLONE:HUMGSO4164 SEQUENCE DESCRIPTION: GATCTCAGTT CCNTAAAAAA GAAATCCTTT TTACAATTTT AAATGAACTA AA					
	SEQ ID NO:3552 SEQUENCE LENGTH:154 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
35	CLONE:HUMGSO4165 SEQUENCE DESCRIPTION: GATCACGGGG TGGNAGGNAA AGTACTGAGA CCTAGAGTCC TAAAACAAAA GAATCACGTT	AGATGCTTGT	AGGAGCCAAG			60 120 154
40	Transfer unatenedit	TICCCATTIG	rana			101
40	SEQ ID NO:3553 SEQUENCE LENGTH:213 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO4166 SEQUENCE DESCRIPTION:	acid			·	
50	GATCCTTAAT TGTAGCCTTT AAGCTTCCAT GTTTAATNTT GGGTCTCACT GAGGGGAGC TGCAAACAGC CCTAAATAAA	ATCCTCTTGC TGTCTTGTCA	TATATAAATA TCTTTTAGAG	AAGCAAATAT	ATTTAGGCCA	120

5	SEQ ID NO:3554  SEQUENCE LENGTH:125  SEQUENCE TYPE:nucleic acid  TOPOLOGY:linear  CLONE:HUMGSO4167  SEQUENCE DESCRIPTION:	
10	GATCCCAAGG GCCCAGATAA CGCCCCCAAC TTCTTGGGGT TCACACGCGT CCTGAGACAT CTGGGAACTG CCTCTGCCTG GNCCAAAGCT ATTCCATTAA AACTTTATTG CTGTNCTTAC	
15	SEQ ID NO:3555  SEQUENCE LENGTH:127  SEQUENCE TYPE:nucleic acid  TOPOLOGY:linear  CLONE:HUMGSO4169  SEQUENCE DESCRIPTION:	
20	GATCTGTGTA CAATTTTNGT CACTANGACT TTCCTCCAAG AACTAAGCCA ACTTGATGTN NCAAAGCACA GCTGTATATA ATGGTGATGT CATAATAAAG TTGTTTTATC TTTTAAGTAA	
25	SEQ ID NO:3556 SEQUENCE LENGTH:126 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO4170	
	SEQUENCE DESCRIPTION:  GATCAAGGAC TCTGGATAAT TGGCATAACA TCCTGGAATA GCTGAAACAG AGATATTATT  CTCTGCTGTC CTCTGTTGTC TTTGTCTTTT CACGTCTTAA TAAAAGTGCT GGTGACAAGA 1 GTGAAA	
35	SEQ ID NO:3557 SEQUENCE LENGTH:123 SEQUENCE TYPE:nucleic acid	
40	TOPOLOGY:linear CLONE:HUMGSO4171 SEQUENCE DESCRIPTION: GATCAGAGCC ATACCCCTCT TCACCAATGG GAAGTCAAGA CACCTATGGG TAAAAGTTCT CTCTGATGCA TGAAAACTCA GAGTGATAAA GTAATTTTAA AATAAAAATT TGGAGAAAGC 1	60 120
45	111	123
50	SEQ ID NO:3558 SEQUENCE LENGTH:121 SEQUENCE TYPE:nucleic acid	

5	CLONE:HUMGSO4172 SEQUENCE DESCRIPTION: GATCTAAAAG TTTTCACACA TAAATTTCAT TAATTTGAAA GATTATTTTT AAACTGCATA 60 GGTCCACTTG CCTCTAAATA AAATNAACCT AAAATAAAAA CAAACTATAC TTTGTGAGAA 120 A 121
10	SEQ ID NO:3559 SEQUENCE LENGTH:121 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
15	CLONE: HUMGSO4173  SEQUENCE DESCRIPTION: GATCTCCCCC AACCCCACAA AATGCTTAAA AGATAACTTA GCTCTTTNTT CAGGGCTCAG 60 TCCTTTGGAT GTAATCCGAC TAGGCCAGTN AACCTAAATA ATAAATATCC TCCTCAACAA 120 A 121
20	SEQ ID NO:3560 SEQUENCE LENGTH:120 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
25 .	CLONE:HUMGSO4174 SEQUENCE DESCRIPTION: GATCCTGAGT TTTCTGGGAC AATTCCAGCT TTAATCAATA CATTTTGTTA AATGTGCCAT 60 AAAATGAGAC TTTTTACGCC TTTATAAGGC CTTAGATGTA AATAAACTCA CCCAAACAAA 120
3 <b>ò</b>	SEQ ID NO:3561 SEQUENCE LENGTH:119 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
35	CLONE:HUMGSO4175 SEQUENCE DESCRIPTION: GATCATTGTA TTCAGAGATT GTAAATGAAA AAATATAGAA ACTATTTAGT TTTGGTAGAT 60 TTTTTTTCTG ACAATGTGAC CAGACTGAAT TTCCTCATAA AGAAAAAATG GCGTGCAAA 119
40	SEQ ID NO:3562 SEQUENCE LENGTH:118 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
45	CLONE: HUMGSO4176 SEQUENCE DESCRIPTION: GATCCCAGCA TTTTCCATCG ACTTGTAATT GTTTCTGCTA CCTGACAATC ATCGCCTTGA 60 GTACTGGGAC AACCTTTGAT TACTCATTAT ATCCTCAATA AATATTTGTT GAACTAAA 118
50	SEQ ID NO.3563

1131

SEQUENCE LENGTH: 118

5	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO4177 SEQUENCE DESCRIPTION: GATCCTGGCT AGANTGNTAA	TTAAAAGTAT				
	CTAGTAGAAA ATGATGTGAA	TTTCNTTTCT	GTTCGGCTCC	TATTTTCCTC	ATCATTTN	118
10	SEQ ID NO:3564 SEQUENCE LENGTH:82 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
15	CLONE: HUNGSO4179					
,,	SEQUENCE DESCRIPTION: GATCATAGTC GGGCATACTT NACTGTTCTC ATGGAGANGA		NTAACCTCTA	TATCTTTAAA	TAAATGTGAG	60 82
20	SEQ ID NO:3565 SEQUENCE LENGTH:214 SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear CLONE:HUMGS04180	».				
25	SEQUENCE DESCRIPTION: GATCTAAAGC NTTTNTGTCA	GATTATTTAA	TATNATGACT	ተቦልፕርርፕፕፕል	<b>ፐ</b> ፐል ፐርሶሶፕፒል	60
	TNATGGCTGA CGTATTACTG					
	ATATAAGCAA TTTTNCCCTA ATTAGGNAAA CTTTTCATTA			ATGAGTGTAT	CACAGCTTTC	
30	ATTAUGRAM CITTICATIA	CATACITGII	IAAN			214
35	SEQ ID NO:3566 SEQUENCE LENGTH:102 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO4181	acid				
	SEQUENCE DESCRIPTION:		•			
40	GATCCCCNAA TGTGTATGAA AAGTTATTTG ATGGGGTCAA				TGTTTGAATA	60 102
	SEQ ID NO:3567 SEQUENCE LENGTH:101 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO4182	acid				
	SEQUENCE DESCRIPTION: GATCCTCTC TTAGTCTTAG	<b>CTC ATCCCC</b>	<b>ተ</b> ቦተተተ ነጥ ነ ነ ነ	CCACTTOOO	00440400	co
	GNAAAATNGG AACCGAGCTG				UUTAGAGGCA	60 101

5	SEQ ID NO:3568  SEQUENCE LENGTH:99  SEQUENCE TYPE:nucleic acid  TOPOLOGY:linear  CLONE:HUMGSO4183  SEQUENCE DESCRIPTION:	•
10	GATCTGCAGT GCTTCACTGG AAATAATTTA TTCATTGCAG ATACTTTTAA GGTGGCATTT NATTCATTTC CTGTGCTTTA AATAAACAAA TGTACCAAA	60 99
15	SEQ ID NO:3569  SEQUENCE LENGTH:97  SEQUENCE TYPE:nucleic acid  TOPOLOGY:linear  CLONE:HUMGSO4184  SEQUENCE DESCRIPTION:	
20	GATCACCCTG GGCACATGTT GTCAGGACCT CCTGGGGTTG TGTCATGGAT GCGTGTCCTC AACCTTAGCA AAATAAACTT TCTAAAATTAC TGAGAAA	60 97
'25	SEQ ID NO:3570 SEQUENCE LENGTH:95 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO4186 SEQUENCE DESCRIPTION: GATCTTCAGT GTGTCTGCAT AAGCTAACTT AAGATGAATT TAAGTACANN TTTCTGAAAT	60
30	ATTTCTATTG AAATAAATTA CTTAAAATTA NNAAA	95
35	SEQ ID NO:3571 SEQUENCE LENGTH:94 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS04187 SEQUENCE DESCRIPTION:	
40	GATCTTTGTG AATTCTATGA ATGTATTAAG TTATCATATG TACTCCCCAA AATAGGTACA TCTATTATGT ATCAATAAAA AANTTTAAAA CAAA	60 94
45	SEQ ID NO:3572 SEQUENCE LENGTH:93 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS04188 SEQUENCE DESCRIPTION:	
50	GATCCCTTGA GCCGAGGAGG TTGAGGCTGC AGTGAGCTAT GGTCACACCA CTGCACTCCA GCNTTGGTTA TNATGCAAGA CCCTGTTTAC AAA	60 93

	SEQ ID NO:3573 SEQUENCE LENGTH:89 SEQUENCE TYPE:nucleic acid	
5	TOPOLOGY:linear CLONE:HUMGSO4189	
	SEQUENCE DESCRIPTION: GATCGCACAC CTTTGCAACA GATGTGTTCT GATTCTCTGA ACCTACAAAA TAGTTATACA TAGTGGAATA AAGAAGGTAA ACCATCAAA	60
10	INUIGUANTA ANGANGGIAA ACCAICAAA	89
	SEQ ID NO:3574	
	SEQUENCE LENGTH: 90	
	SEQUENCE TYPE:nucleic acid	
15	TOPOLOGY:linear	
	CLONE: HUMGS04190	
	SEQUENCE DESCRIPTION:	
	GATCAGTGTC TCTAGTCCTA CCCAGTTTTA AAGTTCATGG TAAGATTTGA CCTCATCTCC CTCAAATAAA TNTATTGGTG ATTTTNGAAA	60 90
20	OTOLOGICAL TRINITION ATTITIONAL	90
	SEQ ID NO:3575	
	SEQUENCE LENGTH: 87	
05	SEQUENCE TYPE:nucleic acid	
25	TOPOLOGY: linear	
	CLONE: HUMGSO4191	
	SEQUENCE DESCRIPTION:	
	GATCCGCCAG GTGCGGGCGC TACTGCAGGC ACAGCAGGCC TAGGTCCTCC CACACCTGCC CCCTAATAAA GTGGGCGCGA GAGGAAA	60
30	CCCIANIANA GIGGGCGA GAGGAAA	87
	SEQ ID NO:3576	
	SEQUENCE LENGTH: 87	
35	SEQUENCE TYPE:nucleic acid	
35	TOPOLOGY:linear	
	CLONE: HUMGS04192	
	SEQUENCE DESCRIPTION:	
40	GATCCACCCA CACCTAAGTC ACAGAATTTC TAAGTTCCCC AACTACTCTC ACACCCNTTT	60
40	AAAGATAAAG TATGTTGTAA CCAGAAA	87
	SEQ ID NO:3577	
	SEQUENCE LENGTH: 83	
45	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY:linear	
	CLONE: HUNGSO4193	
	SEQUENCE DESCRIPTION:	
50	GATCAAACTG AATGAAACCC CCACACACAC ACACATGCAT ACACACACAC ACACAGCCAC	60
50	ACACAGAA AATATACTGT AAA	83

5	SEQ ID NO:3578 SEQUENCE LENGTH:83 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUNGSO4194	
10	SEQUENCE DESCRIPTION: GATCCCTATT CTGCGTGTAT GTGTTTGCAC ATGAGTGTTT GTAGACCATA GACCATTAAA 6 AAATACGGAA TTCAAAAGTT AAA 8:	-
15	SEQ ID NO:3579 SEQUENCE LENGTH:84 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUNGSO4195	
20	SEQUENCE DESCRIPTION:  GATCTATGAA TGTTTTTNTT AAAAATTTACA AAGCTTTGTA AATTAGATTT TNTTTAATAA 60  AATGCCATTT GTGCAAGNTT TAAA 84	
25	SEQ ID NO:3580 SEQUENCE LENGTH:112 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO4196 SEQUENCE DESCRIPTION:	
30	GATCACATAA AGGCAAGAGG ATACTTCATG AATAATACAT TTNAATGCAA ATAAACAGAT 60 GGTTCACTTC TACTAGCTAT NNCCCTGTCT TNNTATACAC TGAGTAGATT AN 112	
35	SEQ ID NO:3581  SEQUENCE LENGTH:74  SEQUENCE TYPE:nucleic acid  TOPOLOGY:linear  CLONE:HUMGSO4197  SEQUENCE DESCRIPTION:	^
40	GATCTATGTC TGTTGGTGGC AATGTGAGGG TGATACTCTC TCACTCTAAT AAACTTGGCA 60 CTTCTCCGAG TAAA 74	
45	SEQ ID NO:3582 SEQUENCE LENGTH:74 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO4198 SEQUENCE DESCRIPTION:	
50	GATCCTGTAT GTGTGTTGAG ATTTAGAGGT TTCATTTATN TTGTCTGCTA ANAAATTGTT 6	0

5	SEQ ID NO:3583 SEQUENCE LENGTH:71 SEQUENCE TYPE:nucleic a TOPOLOGY:linear CLONE:HUMGSO4199 SEQUENCE DESCRIPTION:					
10	GATCACTGTA TAGACTGTTA A AGACAGACAA A	ATTTGATTT	CTTATTACCN	ATTGTTAAAT	AAACTGTGTG	60 71
15	SEQ ID NO:3584  SEQUENCE LENGTH:71  SEQUENCE TYPE:nucleic at TOPOLOGY:linear CLONE:HUMGSO4200  SEQUENCE DESCRIPTION: GATCTATTC TCTGTCTACT TOTAAAAGGAA A		TTGCATAATA	AATAAAATTT	TACTGTTTTT	60
						71
25	SEQ ID NO:3585 SEQUENCE LENGTH:69 SEQUENCE TYPE:nucleic ac TOPOLOGY:linear CLONE:HUMGSO4201 SEQUENCE DESCRIPTION: GATCTAAAGA TGTTTAGGGA AC GAAGTCAAA		TAAAGAACAA	TGAAATAAAT	GGTCCAAGGG	60
						69
35	SEQ ID NO:3586 SEQUENCE LENGTH:65 SEQUENCE TYPE:nucleic ac TOPOLOGY:linear CLONE:HUMGS04202 SEQUENCE DESCRIPTION:	cid				
40	GATCAAAAAT GTAAGTCTAT TO	GGTAGAGAT	TAAGTAAAGT	ATTTATTGCT	ACATCATAGT	60 65
45	SEQ ID NO:3587 SEQUENCE LENGTH:53 SEQUENCE TYPE:nucleic ac TOPOLOGY:linear CLONE:HUMGSO4203 SEQUENCE DESCRIPTION:	cid				
50	GATCTGTGTT GCATTTCAAA AT	TAAACTGGT	GTGTGCTCTG	CCTGGATTTG	AAA	53
	SEQ ID NO:3588					

5	SEQUENCE LENGTH: 153 SEQUENCE TYPE: nucleic acid TOPOLOGY: linear CLONE: HUMGS04204	
10	SEQUENCE DESCRIPTION: GATCTCAGCC CAGGACGNCA AGCAAGCAGG TCTTGTCAGC AAGATTTGTC CTGTTGAGAC ACTGGTGGAA GAAGCCATCC AGTGTGCAGA AAAANTTGCC AGCAATTTCT AAAAATTTGT AGTAGNCGAT GGNCNAAGNA TCAGTGGATN CAN	60 120 153
15	SEQ ID NO:3589 SEQUENCE LENGTH:29 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
20	CLONE:HUMGS04205 SEQUENCE DESCRIPTION: GATCCAAATA-AAGGTAGCTG CTGACCAAA	29
25	SEQ ID NO:3590 SEQUENCE LENGTH:64 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS04206	
30	SEQUENCE DESCRIPTION: GATCTCTCTA CAAGAGCCCC TGCCCCTCTG TTGGAGGCAC AGTTTTAGAA TAAGGAGGAG GAGN	60 64
35	SEQ ID NO:3591 SEQUENCE LENGTH:64 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO4207 SEQUENCE DESCRIPTION:	
40	GATCCTTTGC GTGACAGTCT TGTATGGAAA ACAGATGCTG ACAGAATTGT AGACTACCAT	60 64
45	SEQ ID NO:3592 SEQUENCE LENGTH:63 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO4210	
50	SEQUENCE DESCRIPTION: GATCTCGCCT TGTTTCTTAC AAGCAAACCA GGGTCCCTTC TTGGCACGTA ACATGTACGT ATN  SEQ ID NO:3593	60 63
	926 : Nu : 939	

5	SEQUENCE LENGTH:63 SEQUENCE TYPE:nucleic at TOPOLOGY:linear CLONE:HUNGSO4211 SEQUENCE DESCRIPTION: GATCTTTGCG AATTACAATG (ATN		TATTTATTCA	ATATCTGTCA	TATAATANCT	60 63
	SEQ ID NO:3594 SEQUENCE LENGTH:58 SEQUENCE TYPE:nucleic a	acid				
15	CLONE: HUMGSO4213 SEQUENCE DESCRIPTION: GATCTTAAGA AAACTTCATA (	CTGTATGAAT	AAGAAAATAA	AATATTTAAA	ACTTGAAA	58
20	SEQ ID NO:3595 SEQUENCE LENGTH:64 SEQUENCE TYPE:nucleic a TOPOLOGY:linear CLONE:HUMGSO4214	acid				
25	SEQUENCE DESCRIPTION: GATCGCCAAG TTCAAAGCTG I	rgcacatgtg	GACACTCAAT	AAATGTTCAT	TGGTGAAAAA	60 64
30	SEQ ID NO:3596 SEQUENCE LENGTH:56 SEQUENCE TYPE:nucleic a TOPOLOGY:linear	acid				
35	CLONE:HUMGS04215 SEQUENCE DESCRIPTION: GATCCAAAAA GAGTCGACCN G	CATTNTTTA	TATTAAAAAT	AAAGTCAAGA	TTTAAA	56
40	SEQ ID NO:3597 SEQUENCE LENGTH:52 SEQUENCE TYPE:nucleic a TOPOLOGY:linear CLONE:HUMGS04216	acid				
45	SEQUENCE DESCRIPTION: GATCTTTGTT AATGTCTTGA T	TCTGTTCGC	AAAGCACAĠA	CTAGTGCTTA	AA	52
50	SEQ ID NO:3598 SEQUENCE LENGTH:52 SEQUENCE TYPE:nucleic a	ncid				

	CLONE:HUMGSO4218 SEQUENCE DESCRIPTION: GATCGCACCA CTGAGCTCCA	GCCTGGGCAG	CTGNATGAGA	CTNCATCTCA	AA	52
5	SEQ ID NO:3599 SEQUENCE LENGTH:51					
10	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS04219	acid				
	SEQUENCE DESCRIPTION: GATCTGGAGG GACACACAGG	AGACACCTGG	CATAACCAAA	AAATGATTAA	A	51
15	SEQ ID NO:3600 SEQUENCE LENGTH:51					
	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO4220	acid				
20	SEQUENCE DESCRIPTION: GATCGAAAAC ATATAGANAA	AATAAAATGT	GTGGTTGCAC	CTGTACTGAA	A	51
25	SEQ ID NO:3601 SEQUENCE LENGTH:466					
	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
30	CLONE: HUMGS04247 SEQUENCE DESCRIPTION: GATCTAGAGG AGGATTTGCA	GGAAGAGCTC	GTGGA AGAGG	TGGTGACCAN	CAGAGTGGTT	60
	ATGGGAAGNT ATCCAGGCGA CATTTGCAAC TTATCCCCAA	GGTGGTCATC	AAAATAGCTA	CAAACCATAC	TAAATNATTC	120
35	GANGGTGGCT CCTGCCACTG TGAATGGAAG TATGACGTTG	GGTCCCTCTG	ANGTTTAATT	CTGAGTTCTC	ATTAAAAGAA	300
	ATTTGCTTTC ATTGTTTTAT CCTTTCCCCC AGTATTGTAG TGTAGTAGTG NCTACTGGTT	AGCANGTCTT	GTGTTAAAGC	CCAGTGTGAC		
40						
	SEQ ID NO:3602 SEQUENCE LENGTH:429 SEQUENCE TYPE:700-1-1-1	: 1				
45	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO4248 SEQUENCE DESCRIPTION:	acid				
	GATCTATAAA TCAAGAAAAT	CCATTGTCAT	AACCATTTTT	AAAAGTCAAT	AATTAAGACA	60
	TCCTTAATTA AAAAGTTTCA	AATCTAGACA	CTAAATGTGT	GTGAATGTAC	AAAGAAAACA	120
50	AACCATTGCT TATGCTGTTA	TATACTAGAG	AAATTTTGTT	TTGCTTGCTG	TTTTAACTTG	180
	ACAGATGAAG GACTTTAGTT	GAACTTCATA	TTGTAAGAAC	TGTTAATAAA	AGTTGTCAAG	240

5	TAAAAAGCGC TATATCTAAA TTTAAACCTG CCCAGAAATT TTNAGGCTTG TTATTTGTCA TNGTGGAAA	ACCTTGGTAT	CTGAAGTTTC	CCTCTGTCTC	CTCCCTCTAA	360
10	SEQ ID NO:3603 SEQUENCE LENGTH:419 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO4249	acid				
15	SEQUENCE DESCRIPTION: GATCTGTTGT TTGTTTTTAA CTGGTAAACC TATAAATTGG TNCTCTAATA TTTGGATATA TACAGTACAT ATGTNCAGAT CNCTTCCATT ATGTTTATGT	TCAAATTTNA GGGTATATGA TTCTTTTTCT	CCCATGTTGT NCATTAATGC AACCTTATTT	TTCTTTGAAA AACTTAATTG AGTGATAGAG	ACAATGTATA TATTTCCAAG GTGTGGTAAA	180 240
20	TATGTAACTA GATGCATACA TGATATTTT ACATAGCAAA	GGATTAGGTA	TTTCCTTCTG	TATTCCTTTT	TATGTGGAGA	360
25	SEQ ID NO:3604 SEQUENCE LENGTH:419 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS04250	acid				
30	SEQUENCE DESCRIPTION: GATCTGCTAG TTCCAGGCCT CAGACTCAAT GAGGCAGAAA TNCTTGTATT TCAAAGGCCA	TTATTGTAGT	TTTCTCCTAT	TTCTTCTGCA	CCCAACTTTC	
35	TGCTTCTATT CCAAATCATT AGNCCTCATC CCCTATTTCT GTTCATCCAA AGTCTNNCCT AAGGGTTGAG GGGGNTTTAN	GTCAGACAGT GNAGTGCTAG	TATATGACAG NCTTTCAGAC	GGTGGNCNGN TCTTATCACT	GGGCCTCTTA GGAAATCNTT	300
40	SEQ ID NO:3605 SEQUENCE LENGTH:404 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
45	CLONE: HUMGSO4252 SEQUENCE DESCRIPTION: GATCCGACAC AGAGAACAGG TACATGGAAA ATGGTGATAA	AAGAAAATNT	GGCTGAAGTT	ACCCGAAGTT	CAGCTTGCAG	120
50	TGTAATTCAG AAGAGTTAAG CTTGCCTAGT GAGGCTTTTC TGTAAGGACC ATTAGCTGCA TGGTCTTGAC TTCTTAGCAA	CGAACCTGGA AGTCAGTGGA	AGGAGACGTC AGTCTATAGA	TAGAAATCCC AAANAGTGTG	AACTTTGCTG AATTCCATAG	240 300

	AAGCATGTTA ACTGCATGAN	ATATTAANCA	TTTCGAACTT	CAAA		404
5	SEQ ID NO:3606 SEQUENCE LENGTH:403					
	SEQUENCE TYPE:nucleic	anid				
	TOPOLOGY: linear	aciu				
	CLONE: HUMGS04253			,		
10	SEQUENCE DESCRIPTION:					
	GATCCATGAA TTAACAGAGG	CATATATTTA	AAATGAAATT	TAATGAGCAC	TTAGTGACTT	60
	CATTTGTTCA AGAATATTTG					
	TGTCCCTATG CTTGTNCAGC	TTACAATCTA	TTTAACTATT	AGAGGCCCTG	TGAGATGTAG	180
15	GCAGTTATTT ACAGATGAGA					
15	GCTTGGAATT CAACTCAGTT					
	GTGGATTCCT TACCCAAATA				TTTTAATGAA	360
	ATCTTGGNTT NCAAAGTNGG	NNTAAAAGGG	TTCTGAGCAT	AAA		403
20	SEQ ID NO:3607					
	SEQUENCE LENGTH: 396					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
25	CLONE: HUNGS 04256					
	SEQUENCE DESCRIPTION:					
	GATCTTACTT CGTTGACCCA					60
	CAAGGGGATG CTGTGATGAT					
30	ACTGAGAGAA GGGGATGTGT					
	ACTCTCTCTT ACCCTGTTTC ( ACTTTACTGG ATGACTGTGA					
	GAGTGCATGT TAAGACCTGA					
	AAATATCTTG TTTTTGCCNG			ACTIAAGAAG	CATCCCATGC	396
35		MIMMIMI	IIOAAA			390
33	SEQ ID NO:3608					
	SEQUENCE LENGTH: 392					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear	•				
40	CLONE: HUMGS04257					
	SEQUENCE DESCRIPTION:					
	GATCTGCCCG CCTTGGCCTC (	CCAAAGTGCT	GGGATTACAG	ACATGAGCCA	CCACGCTTGG	60
	CCGGGATAGT ATATTTTAT	AGCACTTCCC	CTACTGATTG	CTGCCTTCTC	TGTGGCTACA	120
45	AGGGACCCAC AGAATTACAG (					
	AGATTTCAAA CAATCACACC					
	CCCAGTCCGT CAGGAATTTT (					
	ATTTTAATCA GCTTTACTAT (	CTATGTTTTT	TTATGGAAAC	TGTGTGTATG	TATACATACA	
50	TTTTCCAAAA AGNANAAATT A	AAATGATTAT	AG			392

SEQ ID NO:3609

	SEQUENCE LENGTH: 392					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
5	CLONE: HUMGS04258					
	SEQUENCE DESCRIPTION:					
	GATCCGCCCA CCTCCGCCTC	CCAAATTGCN	GGGATTACAG	NCCTNAGCCA	TNCCCACCCG	60
	GCCAATAAAA ATTTTTTTAA					
	TATGTTAAAT ATTTTAACTT					
10	GGAGGAAAGG ACGAAAAGCC					
	ANGGAAAGGT TCTACGTTAG					
	CAGCTCAGTC ATATCGNTGT					
	TCCTGCTGTT TTAAGNCNCC			nacraaccaa	UUUNININII	392
15	1001001011 11AMINGNEC	MMAIIIIUIU	un			332
	SEQ ID NO:3610					
	SEQUENCE LENGTH: 391					
	SEQUENCE TYPE:nucleic	acid				
20	TOPOLOGY: linear	acru				
20	CLONE: HUMGS04259					
	SEQUENCE DESCRIPTION:					
	GATCCTAAGG GGTTCAGGGG	GACCCTACCC	CCACCTCAGG	TTGGGCTTCC	NTCCCCACTC	60
	ATGCTCCACA CCAAAGCAGG					
25	GGGAGACTTT CCTCCGATGT					
	CCTCCAATTC CAGCCACTTG					
	AGGGGGTGGG CATATTCTGG					
	ACAGGTGGTA GGAGAGCCCC					
30	TGTAATGTAT TATATGGGGT			UCIUAANUCA	CITITUTACA	391
	Idimitatini Tatatoodol	Claddocicc	14			331
	SEQ ID NO:3611					
	SEQUENCE LENGTH: 386					
	SEQUENCE TYPE:nucleic	acid				
35	TOPOLOGY: linear					
	CLONE: HUNGS04261					
	SEQUENCE DESCRIPTION:					
	GATCCGACCG CGTGNTGCCG	CTCTGCTCTC	TCATACGCGT	GTATGTTTGG	TTCCATGTCA	60
40	CAGCCCCCTA GGAGCCAGTN					
	TCCTGGGCTT CTGGGCCACC					
	CGTGTCCCGG GGCTTTTCCA					
	TTACATTTTT NAAGCACCTG					
45	TAATATTTT AACTTTGCCC					
45	TTAAACTCTT AAACTTTTCT					386
						-55
	SEQ ID NO:3612					
	SEQUENCE LENGTH: 375					
50	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					

	CLONE: HUMGS04264					
	SEQUENCE DESCRIPTION:	#0#0+0++0#	00000000000000000000000000000000000000	01110011100	#W@@	
5	GATCCCTTTG GGGCATGAAG					
	ACCAGCTAAA TCATGACACC					
	TAAATCTGAA TTTCCACTGC					
	GGTTCCTTTG CTCAGATGAA					
	AGGCACACAG GCAATGTCTC					
10	AATGTCTCAG CATTGCTGCT TGTTGTAGAT GGAAA	AATTTTGGTC	CIGCIAGIII	CIGGATIGIA	CAAATAAATG	
	IGIIGIAGAI GGAAA					375
	SEQ ID NO:3613					
	SEQUENCE LENGTH: 372					
15	SEQUENCE TYPE:nucleic	2014				
	TOPOLOGY: linear	aciu				
	CLONE: HUNGS 04265					
	SEQUENCE DESCRIPTION:					
20	GATCCTAGAC CAGCATGCCA		GCCACAGGGA	AAGCGAGTGG	TTGGTAAAAA	60
	TCCGTGAGGT CGGCAATATG					
	TTNCTAATAT AATGGGGGAG					
	NCCGCNNTCC CNNGTGTTGT					
•	GAAGCTTTTG AGGGCAGACT					
25	TTTTTTTTT NACACGAATT					
	TTATTNGGGA AA		•			372
	SEQ ID NO:3614					
30	SEQUENCE LENGTH: 372					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS04266					
35	SEQUENCE DESCRIPTION:					
33	GATCTAAATA TATATTTTGT	TAATTATAAT	ATTTTAGGAA	TAGCTTAATT	AAGANCTCAC	60
	AGACTTTGAC AAAGTGGTAA	CTAGACTTTT	AATTACTAGA	TTCTTCAAAT	TAGGCTTAAT	120
	GCCTGCTAGC ATGCCAATCC	AATCCCATGA	CTGATGTTAT	TATACACTAT	GGCAAATACA	180
	AAGTTGTAGT ATTATGGTTC	TTGATGGTGT	GATTTACTTA	TGTAAATTAT	GTACAAATTT	240
40	AAGTTCAATG AAACACTGAT					
	TCCTGTCTTG CCTTAGGTTT	ATTTTTATNA	TCTTCAATAT	TAGANTAAAT	GCTAAATTAT	360
	TTTCATTTTA AA					372
	SEO ID NO. 2015					
45	SEQ ID NO:3615					
	SEQUENCE LENGTH: 370 SEQUENCE TYPE: nucleic					
	TOPOLOGY: linear	acid				
	CLONE: HUMGS04267				•	
50	SEQUENCE DESCRIPTION:					
	GATCTGAACT CCTTATACAT	AAGAAGGTGT	CTATATTAAT	CCAATTATCC	ACTT	60
	ATTACAMENT COLIMINATION	Thinnware	GIVIVITUTE	COUVITATION	VOLIVVVVIIV	UU

5	TTTTAAAAGT ATAAATACCC AGCAATATTT TTAAGTGCTC TGGTCAATAA TAGGTAATGC TGCTTATTTT CTGTCAACAC ACATCCCNGT TTAAAAGTAT TTTTTTTAAA	CATTTTAATG AGGTATGTTC TAATGAAGTC	CCGAGGAATA AGGTTAAGCC AACATTGCCT	AGTCTTTTGG AACAATGTTT GAATGTCTGA	CAACACAAAC TGCATTTTTA ATAATGAAAC	180 240 300
10	SEQ ID NO:3616 SEQUENCE LENGTH:370 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
15	CLONE:HUMGS04268 SEQUENCE DESCRIPTION: GATCCCATTA TATAGTATGT CCTCTAACCA AAAAATTGTT	TAATTTTGCA	TCCCAAATGT	TTTTAATCTT	TGTATATTTT	
20	TNAAAAATCC NTTTCTCCTC CTTTGAAGAT GAGTTACTCC AGATGTCAGT TTTGANCCAA NCTGTGNAAT TGCTCTTTGG GTGATGGGTN	TTGTCATCTT GAATTGGTGA	ACAAATATGT TTTGTTTATA	GATATGGTAA AGAAAAAAAC	TTTNCATAAC TGGCTTCATT	240 300
	SEQ ID NO:3617 SEQUENCE LENGTH:368 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
30	CLONE:HUMGS04269 SEQUENCE DESCRIPTION: GATCCCTGCT CAAGCAGCAC		GCAAGACGTG	GCCTGTAGGC	ACTGTNTCAG	60
35	CCTGCAGAGA AGAAAGTNAG CANTTGGACT AGGGGCAGTN GGGTCCAAGG GAACAGGAGA CCACCCCGTG TATCATAGGG GATTTNACT CCCTTTGTAC CTNTTAAA	GCCGGGAGCN TTAATTTTNA GGTCACTGGG AACTTTCACC	TGAGCCTGGG AAAGGTGTGG CCTGTTTTT TTAAAATCTT	CTGGAGCNTT GTCCCTGTTT CCCTCCTGAC TCTAAGCAAA	CTCCCCTCCC CCTCTTCCAG CCTGCATCTC GTGTGAATAG	120 180 240 300
40	VINITAAA .					500
45	SEQ ID NO:3618 SEQUENCE LENGTH:364 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS04270 SEQUENCE DESCRIPTION:					
50	GATCGGCCCA GCTCCTGAAC CTGCACAGGT ACCAGCCTCT NCTTGAACTA GACTTCTGAT	CCACTCCTGA	CCGGGTTGGT	GCTGAACAGT	CAGGGATTGT	120

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AAATAAACAA NTACAATAAC AAATAGTAAT TAANTGACTT TCAGGATAAC ATCTAGTTGT 240

	TCAGACTTCA CCCTTCACAG TTTGAATTTA TTTTACTGTA GAAA					
5	SEQ ID NO:3619 SEQUENCE LENGTH:363					
10	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO4271 SEQUENCE DESCRIPTION:	acid				
15	GATCTGAAGC CTTCCATAAA CACAGGTACC AGCCTCTCCA	CTCCTGACCG	GGTTGGTGCT	GAACAGTCAG	GGATTGTTCT	
	TGAACTAGAC TTCTGATGCT TAAACAAATA CAATAACAAA GACTTCACCC TTCACAGGTG GANTTTATTT ACTGGTATAT	TAGTAATTAA TGTGTGTATG	ATGACTTTCA TGTGTTTATG	GGATAACATC TCTGTATATT	TAGTTGTTCA GANGCAATTT	240 300
20	GANTTTATTT ACTGGTATAT	GITICTGAGT	AAAAGNCTGA	AATGNNCTNC	TTGGNNCNGG	360 363
	SEQ ID NO:3620 SEQUENCE LENGTH:361 SEQUENCE TYPE:nucleic	acid				
25	TOPOLOGY:linear CLONE:HUMGSO4272 SEQUENCE DESCRIPTION:					
30	GATCCAGGAT GTACTTGGAT TTATTGCTGC TCCATACAGC GCAANNNNGC AGCTTTCACT	TGTACGTCAG CAGTGACACA	CCCCTTGGCC AGTAATTACT	TTCTCTGTAG GAGTCCTAAT	GTTCTTGGCA TTGATAGCCA	180
	CCAACTGTAC CTGGGTAGGC TTAATTACCT TATTTTCTNT ANCCTCCCTA TAAATTCAAT A	TATGCTTTNC	CTCTGTCTTG	TAATCHTHCT	CTTCCTAAAA	300 360
	SEQ ID NO:3621 SEQUENCE LENGTH:359					361
40	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO4273 SEQUENCE DESCRIPTION:	acid				
45	GATCCAGATN CTTTCGGATG GAGATTTTAG TTTGAATAGT AACTTATTTC TTCATGGCCA	ACAATTTTTT AGAAACTACC	CTTCTTACAA CTAACTTATC	CAAAACTTAG TCGATAAATA	AACGGCTTCT TTTAGTTCTG	180
	TCTTATTTCT AATGTGTAAA AAAAGATTTA ATTTATAGAA TTACAGAAAA AGTTGCTGTA	CCAAACTNGA	ACATATGTTT	AATTTAGCCT	AATEAGAAGG	300

	SEQ ID NO:3622					
	SEQUENCE LENGTH: 356					
	SEQUENCE TYPE:nucle	ic acid				
5	TOPOLOGY: linear					
	CLONE: HUMGS04274					
	SEQUENCE DESCRIPTION	Į:				
	GATCTACAGC AGCTGCAT	-	CAGAGGTGCT	ATAGGGCTGC	GCATTGCACT	60
10	GGCCATCTCA GCTATAGC					
	CACCAGGTCT CTCTGCAAG					
	CCAGAAAATT CCATGGACA					
	TGNTGAAACC TNTTCTTG					
15	CGTGCAGTGG AAGTCTGA					356
15						-
	SEQ ID NO:3623					
	SEQUENCE LENGTH: 420					
	SEQUENCE TYPE: nuclei	c acid				
20	TOPOLOGY: linear					
	CLONE: HUMGS04275					
	SEQUENCE DESCRIPTION	l:				
	GATCCCCCCT GNCAGACAC	C AAAGCTGTGA	ACAGAAAGAC	TGCCTGGCCA	GCAAACCTTG	60
25	GGACATCAGC CTNGCCCAC	C CTGAAAGCAT	CCGNAGTGAC	CTAGAGAGTT	CTGATGCACA	120
	GTCAGACGAT GTGCCAGAC	A TCACCTCANA	TGAGTGTGGC	TCCCCCCGCT	CCCATACTGC	180
	AGCCTGCCCC TCGACCCCC	A GAGCCCAAGG	TGCACCGAGC	CCAAGTGCCC	ATATGAACCT	240
	CTCTGCCCTA GCCGAGGGA	C AAACTGTCTT	GAAGCCAGAA	GGTGGAGAAG	CCAGAGTATG	300
30	AAGTGGAATG AATGCTCCT					
30	TTTTTTTTT GCCCAGGGC	N NAGGGTTTNT	GGTTTTTAAT	TTANAGGNCN	TTTGGGCAAN	420
	SEQ ID NO:3624					
	SEQUENCE LENGTH: 352					
35	SEQUENCE TYPE:nuclei	c acid				
33	TOPOLOGY: linear	c acra				
	CLONE: HUMGS04276					
	SEQUENCE DESCRIPTION	l:				
	GATCAGAATT AAACTAGTA		CCTTTTGAAT	GTNAGGTCAA	GAAATCCATG	60
40	TACAGAGTCG TGCACTTCA					120
	TCCCATCGTA AATACATCA	C GAGGCCAGCT	GTGTGATTTC	TGAGACCTAG	ATGAGAGTCC	180
	NATTACTTCA AGCNTTGAT	T CAGTAAATNT	TAAGCAGCAG	AAGNCTTCGG	ATGGGTTGAA	240
	AATCAATNTT ACAAGGTTT	T AACTCATAAA	CCCATNNGGG	NTTTTTTTTT	TCCTCTGCAA	300
45	NNGGTTNCTA AGGCTANTO	C NTGGTAACAC	TNTGGGAAAN	AAATNTGGAG	GN	352
	SEQ ID NO:3625					
	SEQUENCE LENGTH: 348					
	SEQUENCE TYPE:nuclei	c acid				
50	TOPOLOGY: linear					
	CLONE: HUMGS04278					

	SEQUENCE DESCRIPTION:					
	GATCTCCAGT NGGCCTTTGC	AGGCCCGGCC	TCCTGCCTCT	NGAAGGCCTA	NCACGGGCCC	60
	GGCCTCGGCC TCGGCCTCAC					
5	GCCTCCCCAG TCCAAAGCTC					
	CAGTGGCCTC TTTAGGCCCA					
	CTTCCGGCAG CCTCTTGGCC					
	GAATTTTGGA ATATTTCCAC					348
10						0.10
10	SEQ ID NO:3626					
	SEQUENCE LENGTH: 347					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
15	CLONE: HUMGS04279				•	
	SEQUENCE DESCRIPTION:					
	GATCTTTATT AAGACAGTGG	AAAGTATACT	ATTAAGTCAT	CATAGTCTTT	TGGAGACTTG	60
	TCAAANACAG CAATNAGAAA					
20	NANGAAACAA CAAGTATTAT					
	TAAAGATTCC CTGTTTTATG	•				
	TCTATTAANC TTNCAGAACT					
	TAGTGAAGAT ATTNNATNAT					347
25	SEQ ID NO:3627					
	SEQUENCE LENGTH: 341					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
30	CLONE: HUMGS04280					
	SEQUENCE DESCRIPTION:					
	GATCAGAGGA GGAGTGTGAG	TGTCCTCATA	CTCACAGCAA	AAGGAGGGAA	TTCAGGAGAG	60
	GATTGAAGAA GCGGTTCCTG	TTTTTAAGGC	ATTTGCAATC	ATTGCTGGAG	AGACAGAACC	120
05	AACAGATGGG GAACAATGGC	CAGGGACTCC	AGGCCTGATT	TAAGCCAATG	CCGCCCTGTG	180
35	GTCTTTACCC ACGAATGGTG	TGGAAAATNA	GAGCAGGGAA	GAGGATTTAC	TCACTGGCTG	240
	TGGAGTTAGG TCAGAAGGGG	GNTGGAAAGA	TGGAACCGTA	TGGNTTTGGG	GACATTTCTT	300
	AATCINTAGG CTTCACCITC	CTTAACTGAA	ATTAAAAGCC	N		341
40	SEQ ID NO: 3628					
	SEQUENCE LENGTH: 341					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
45	CLONE: HUMGS04281					
	SEQUENCE DESCRIPTION:					
	GATCGACCTG TCATGTTTTT					
	GGCAAAGAGT GGGAGTCTGA					
	TAATCCAGGC TGCAGTACAC					
50	TCTTCCTGCC TCAGCCTCCT					
	TTATTTACCC TACTCACTTG	GEGENTECCA	GNCTGCCAGC	CATGCTGTTC	ATCCAGTATC	300

	TTCTNNATGG GGATTACCTA	TTAAGGGGAC	ТААСАСАААА	N		341
5	SEQ ID NO:3629 SEQUENCE LENGTH:340 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
10	CLONE: HUMGS04282  SEQUENCE DESCRIPTION: GATCATGGAA CCCCTCTTCC GGCAGAGCGA GCTCTCTATT					60 120
15	CGCAGCGAAG ATTCTGCCCN GGAACAAGAC AATACATGGC AAAAGCTATT TGATGACTGT AANTGNAAGA NCGGGNNGAN	NNCATGTTTC TTGATATACA ACACAACAGT	CTTCCTTGTA ACGCCCTGAA TCAANGCAGA	CCGCAACTCA GCTCTTCATG GAAACTAAAA	AAGACCCATT GAGATGAACC	180 240
20	SEQ ID NO:3630 SEQUENCE LENGTH:339		TAT ING/BALL			010
	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO4284 SEQUENCE DESCRIPTION:	acid				
25	GATCTGCCAC ATGTNTGAGG NAGCAGAGGG AAGACATTGA TCTGGACCTG GTTGAAGCAG	AGAAAACATC GAAAGATGGA	TCTNCTGGAA GGCAAAGTAG	TATTTGGAAA TGAAATAATC	AGAACACTCT CAGAATTTCA	180
30	ATGCTTTTNA ATGTNCTTAG GGAACCTTAT CTCTTGAGAT GTNCATTTTG GTAATAAACT	ATTTGCATAA	TTTATTTAAT			
35	SEQ ID NO:3631 SEQUENCE LENGTH:339 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS04285	acid				
40	SEQUENCE DESCRIPTION: GATCCAGCCA GTATAGAACT TNGATTGTNT TCCTTCAAGG					60 120
45	TGCTGCAAAA AGCACCAGTG GGTCCTGAGA TAGTTACCCA TGAGCATGGA CCATAGAAGG TTGGNTTAAA ATGGCTACTT	TAAAGAGGAA GCTCAATGTA	TCCTTTGAGT GANTGAAACT	GTATGCCATT	GGTGAGCCGA	240
50	SEQ ID NO:3632 SEQUENCE LENGTH:337 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				

	CLONE: HUMGS04286					
	SEQUENCE DESCRIPTION:					
	GATCAGAGGG GAAACAAACG	CCAAGGGGTT	GGGAATGGGT	CGGCATCTGG	AGTCTGAGAC	60
5	AGCTGCCCTC CTGCGTCAAG	•				120
	TGGACAGCTC AGCTTATTGT					
	CAAGAGAATC CTGTTCCCAG	ACCTCTGCCC	AGCCAGGCCT	TCCCAGCTCA	GGGCTGACTC	240
	CTGCACCAAG TGACGCACTT	TTNATAACTG	GTCTACCAAT	GNCTCCCCTT	CAAGTGAGAA	300
	CTACCCTTTA CATTTAGGAG	TGTGGCCCCG	CAGTAAA			337
10						
	SEQ ID NO:3633					
	SEQUENCE LENGTH: 337					
	SEQUENCE TYPE:nucleic	acid				
15	TOPOLOGY: linear					
	CLONE: HUMGS04287					
	SEQUENCE DESCRIPTION:					
	GATCCCTGTA TGCNGCCAAG	GATGGGACTT	CCAGCTAATG	AATTTGTACA	TGCAGCCAAA	60
	TTTACAGGAA TTTTTTTAAA					
20	ANTCAGTTTT ATGANGAGTA					
	GGCAAACATT TTNNTGGGAG					
	ATTTTTACTC CCACTGTATT					
	TTCTGTTTAA AAAANTTAAN	CAAGTGAATG	TNGGAAN		_	337
25						
	SEQ ID NO:3634					
	SEQUENCE LENGTH: 390					
	SEQUENCE TYPE:nucleic	acid				
30	TOPOLOGY: linear					
00	CLONE: HUMGS04288					
	SEQUENCE DESCRIPTION:					
	GATCCCACTG ATTGGCCAGC	CGAGCGAGAA	CCAGGCTGCT	GCATGGCACT	GACCGCCGCT	60
	TCCAGCTTCC TCTNAGCCGC					120
35	GTCGTTTTGT TGCCAAGGCA	GAATGAAAAG	TCCTTAACCG	TGGACTCTTC	CTTTATCCCC	180
	TCCTTTACCC CACATATGCA					
	TTACANCATG AAATATAGTT	GCATATATGG	ACACCGACTT	GGGAGGACAG	GTCCTGATTG	300
	TCCTTTCTCC AGTGTACATG	TTTTACTCAC	ANATAANATT	NTTTCAGCAA	GTAAAGNGGG	360
40	ANNGGGTTTT GGTNGNGNGG	NGTGNGGTGN				390
		•				
	SEQ ID NO:3635					
	SEQUENCE LENGTH: 73					
	SEQUENCE TYPE:nucleic	acid				
45	TOPOLOGY: linear					
	CLONE: HUMGS04289				•	
	SEQUENCE DESCRIPTION:					
	GATCTGGCCA TTTGGTACAT	AATCCAGCAC	AGATAAGCTG	GGTGGTAATG	ATAATAAAA	60
50	TGGTTTTCTC AAA					73

	SEQ ID NO:3636					
	SEQUENCE LENGTH: 328					
	SEQUENCE TYPE:nucleic	acid				
5	TOPOLOGY:linear	-				
	CLONE: HUMGS04290					
	SEQUENCE DESCRIPTION:					
	GATCACCTGG GTTTCTTTAT	TTATCGACTG	TGTCATGACA	AGGAAACTTA	CAAACTGCAA	60
**	CGCAGAGAAA CTATTAAAGG					
10	CATTTTGAAA ACAAATTTGC					
	ATTATTGAGG AAAATTAATA					
	ATTTTTAAA GTCTTCTTTC					
	TTAATTCAAT TAAAACCATT		CAMACAGGG	TITACIATOI	TINCATCICA	328
15	11.2.110.2.1 1.222.00.111	NOCTIMA				320
	SEQ ID NO:3637					
	SEQUENCE LENGTH: 328			•		
Ÿ	SEQUENCE TYPE:nucleic	acid				•
20	TOPOLOGY: linear	4014				
	CLONE: HUMGS04291					
	SEQUENCE DESCRIPTION					
	GATCCTGTGA ACCGTTACTT	TGCCTAAATC	ACTTGAGACT	TGAGTNTTTA	ATAACAAAGC	60
	ATCAATATTC ACTAAAGTCA					
25	CACTAAGGGA TTAGTGTTAA					
	GACTTGATGT TGCCACATAG					
	CCTATGTTTT ATTGCATAGT					_
	TTATTGTTGA CTAGTTATAG		TABLE COLLEGE	TIMICOIGIA	ININUNINUC	328
30	· · · · · · · · · · · · · · · · · · ·					320
	SEQ ID NO:3638					
	SEQUENCE LENGTH: 326					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
35	CLONE: HUMGS04292					
	SEQUENCE DESCRIPTION:					
	GATCCTTTCC CTGGATACAT	AACCCTAGTA	GATAATGTTA	CTGCAAGATG	TAATGNCCAA	60
	ATCCAACCTA CTGCAAATNT					
40	TTTTTTTAAA CCGTCTCCAT					
	TTTGTTTTAA AATGTCTGGC					
	TACGTGAAAA ACCTAGANGA					
	TCAATAAAGG TATTTTAAAA				Olditabitation	326
45						020
	SEQ ID NO: 3639					
	SEQUENCE LENGTH: 326					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	- · · <del>-</del>				
50	CLONE: HUMGS04293					
	SEQUENCE DESCRIPTION:					

	GATCTGTTGT ATGTAATAAG					
	TGAAGTTTGT NTTTTNCCTT					
	CAGAATAGCA GTGCCCTTNC	TTTTTGTACA	TACTGATTGG	NCCTTTCTTT	ACTGTTACGT	180
5	GGACACTTTC TATGTTAGTT	TTGATGCATA	ATTCTTTGAA	TCCTTTTATA	CAAACTAGAA	240
	TGTATGTGTA AGAATACCTG	TCCCTGCAAT	GTAGTAACTA	CAAACTTATT	TTTAAATAAA	300
	TAGAAAACTT GTTTTTCTAA	GCTAAA				326
	SEQ ID NO:3640					
10	SEQUENCE LENGTH: 325					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS04294					
15	SEQUENCE DESCRIPTION:					
	GATCCAAGAG TTTAGTGATT	TCAAAAGCCT	TGGTCTCAGG	AGAAGATTAA	ACTTTCATAT	60
	TGGGCAGTGG TTCACTTTAA					
	CTAATAAGTA ACATACCCAA					-
20	ATTGTCTAGA CTTGCATCTA					
	CTGTGTAAAC TTTGTTTAAA					
	AACTATAGAT TTATAATCCC					325
	SEQ ID NO:3641					
25	SEQUENCE LENGTH: 391					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	dera	•			
	CLONE: HUMGS04295					
30	SEQUENCE DESCRIPTION:					
	GATCGGAATT TCCACCAATC	AGCGGGAAGC	CTCGGCCCTG	TAACTGCTAA	TGGGAGACAG	60
	CAGCGCCACG CCACAGGCTT					
	CCCGNCCAGA CCCTTTCCCG					
05	AGTNCCCTCC CTTCCGGTTG					
35	TGAACTGTGG AGGNGGNGGG	NCTCCNTTGT	GGACTGATTT	GCGTGGGGAT	TTGGTNTGTT	300
	TTATTAAGGG ATTTGAAAAA	ATTCAGATGG	ACTTNACTAG	TATGGACTGT	TNGGGTAAAT	360
	ATTNGCTTNC NGGGTTAATA	AAATGGACAG	N			391
40	SEQ ID NO:3642					
	SEQUENCE LENGTH: 324					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
45	CLONE: HUMGS04296					
· <del>·</del>	SEQUENCE DESCRIPTION:	•				
	GATCCAGTCA ATACATGCAG	ACCAGTAAAA	TCTGATTTGT	GCAGAGTTCT	CCATCTGACT	60
	CTCACTTATT TCTGTAGATA	TATACATATA	TAAATACAAG	TATGTNCTTA	CGGCACAGTA	120
	TTGCTGACCT TTAGTTCGAG	GTTTTGTCGG	TTGTTGTTTA	TTTTCTTCCT	CTTGCAAGTG	180
50	CTATCCATGT GAGTGTGTGA	AGTTTCTCTA	ATAAGTAAAA	CACAGGCCCT	TTTCCTTGTT	240
	TETTTTETET TACTTATTE	TAAACAGCCA	<b>ተተተርተተርተል</b> ል	A TRI A TT A TTC	CCATTALATT	200

	ATAATTTATG ATTTTCAAAG	CAAA				324
5	SEQ ID NO:3643 SEQUENCE LENGTH:323 SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear CLONE:HUMGS04297 SEQUENCE DESCRIPTION:					
10	GATCCAGTCT AGGCCCGTAT CTCAGTGGTC TTTTCTTTTC	CATGACTGTG	ACAGAAATGA	TTTGTATCCT	TCATATATCT	
15	GCAGTCACAT GAAGTCTATT AGGGTGGTAC CGTCTAGGTT AGTATCTTAT AGGGAAATCC	TCTCCATATT	AAGTTGCTAT	TTTNCCTTGT	GTATTTAATA	240
	GTTTTAGCAT CTTTTGAAGA					323
20	SEQ ID NO:3644 SEQUENCE LENGTH:320 SEQUENCE TYPE:nucleic	acid				
25	TOPOLOGY: linear CLONE: HUMGSO4298 SEQUENCE DESCRIPTION:					
	GATCTGGAGC ACAAGGAACT ( GAAGACATTT TGGCAATTNC 1 ACCTTGGTAT TTACCCAAAC (	TTAACCAAGC GAGTTGAAAG	TCTTCTTACC CTTATGCCCA	ATAAGATGAA TACAAACACC	GCAACTCCAC TGTACAAGAA	180
30	TGTCTATAGC AGCTTTATTC ATGGGTGGACA GATAAGCTGT (ATGAGCTCTG AAGCCACAAA					
35	SEQ ID NO:3645 SEQUENCE LENGTH:319 SEQUENCE TYPE:nucleic a					
	TOPOLOGY: linear CLONE: HUMGSO4299 SEQUENCE DESCRIPTION:	acid				
40	GATCGGGATT AATATTAGTG C TATTTCCTGT TTTGGTGCCT C	STTTTATAGA	AGATGATTGA	NGAATCACTG	AAGATTAAAA	120
45	TAAAAAAGGA ATTAGAAATG G AATCTGCTCA CAGTGAAAAT C ACCAGGAGTC GGCAGATAAG A	CTTTAGAGA	AATACATGAA	AATCATCCAG	CAGGAGCAAG	240
	CGCTGCAATC TAGTGACAN SEQ ID NO:3646					319
50	SEQUENCE LENGTH:318 SEQUENCE TYPE:nucleic a TOPOLOGY:linear	ıcid				

	CLONE: HUNGS04300	
	SEQUENCE DESCRIPTION:	
	GATCATAGAA GAAGAANCCA GTAATTGANC AAATCCTATT TAATGACATC CTTGTAGCAT	
5	AGATGGTCTA TAATGCTGAC CACAGATTTC TTAGAAATGC TGCTCTCTCT ATTTAACTAA 1	
	CATTITGING AGTITIGCCT CCAGTGGAAG CAGAAAGGGT TITINCAGCT GITAAATCCT 18	
	AAAANTCAAT ATAATTNATT TATGTAAGAA AAATAACTCA ATCAATATAT TTTTGAACCT 24	
	TTTAAGTACT AATTTNNTNT TTATCAAGTA GAAAAAAAAT GTATTTGCCC TAAATCCTTA 30	00
10	AAATACAAAT GCTATAAA	18
	SEQ ID NO:3647	
	SEQUENCE LENGTH: 317	
	SEQUENCE TYPE:nucleic acid	
15	TOPOLOGY: linear	
	CLONE: HUNGS04302	
	SEQUENCE DESCRIPTION:	
	GATCCTGAGG CTTTGGCTGA AATTCTGCTT GAAACTTGTA AATCAATCAC ATATTCTTTA 6	30
20	GAAAATAAGA CCTACTCATC TGTGAGAACA GAAGCTTTAT CTGTGATAGA ATTGCTGCTT 12	
	AAAAAACTTG AAGAATCTAA ACAGTGGGAA TGTTTGACAT CTGAATGCAG AGTGCTCCTA 18	
	ATTGAGTCTT TAGCTACTAT GGAGCCAGAC AGCAGACCTG AACTGCAGGA GAAAGCAGCG 24	
	TTACTGAAGA AAACACTTGA AAATCTGGAA TAANTTAGAN GGGGAAGAAA CAAACAAGTG 30	
	CCATGTTCAT TGGGGGN 31	7
25		
	SEQ ID NO:3648	
	SEQUENCE LENGTH: 317	
	SEQUENCE TYPE: nucleic acid	
30	TOPOLOGY: linear	
	CLONE: HUNGSO4303	
	SEQUENCE DESCRIPTION:	
	GATCCTTCTC CTTCCCTGGG ATACAGCACC TCCACCCTGC CAGGCCACCC NTGTAAAGGC 6	0
35	AGCCAATTCA GAGCCACCTC TTATGCCTGC ATCTCCCCCA ACAATTCCTG CTGGGAAACC 12	0
	ACTCCTCGTA TGGTGTCATC TACACCAGTG GGTTTCAAGC TTGAGAAGAA TCAAGTTCTA 18	
	CAGGGCTGCT TAAAACACAG GTTGCTGGGT CCTGTNTCTC AGAGTTTTTG ACTCAGTCTT 24	0
	GGTTGAGAAT TTTCAGTTCT AGAAGCTCCT GGGTAATGCT AATCCTCCTG TTCTAGGGGC 30	0
	CATAGTCATT GTCCATN 31	7
40		
	SEQ ID NO:3649	
	SEQUENCE LENGTH: 317	
	SEQUENCE TYPE:nucleic acid	
45	TOPOLOGY: linear	
	CLONE: HUMGS04304	
	SEQUENCE DESCRIPTION:	
		0
50	CTTNTTCTAC CAGAAGGCCA GGACCTTCGC CACAGAGCTC AACGTCCGCA GGGTCAACCT 12	
50	GCCTCCTCTG CCACTCTGCG GGTGGGCCCC CTGGTTGGCC CCCAGCCACC CTNGCTGAGG 18	n

55

ACAGCATCCA AGGGAGTGGG TTTTGTGCAA GGGCTAGGGG TCTCCTGCCT NTCCTGGTGT 240

	CGNCGGTGGC TCATTTTCTN TGGGTTTTGT TTTTAAA	GCAAATNGAG	GCACGAACGC	AGGGNCCAAA	TAGCAATAAA	300 317
5	SEQ ID NO:3650 SEQUENCE LENGTH:317					
	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
10	CLONE: HUMGS04305 SEQUENCE DESCRIPTION:					
	GATCTATGCA ATTTTTAAAC NCAACCAGCA TTTTACTACT					60
	TACAGANTTT TTAATGACTT					
15	ATCAATTTTT ATACATATCA					
	ACTAATTTAA ACCAGCAGAA	ANGTGCTTAG	GAAAGTTATT	GTGTTGCCTT	AGCACTTCTT	300
•	TCCTCTCCAA TTGTAAA					317
20	SEQ ID NO:3651					
	SEQUENCE LENGTH: 316					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
25	CLONE: HUMGS04306 SEQUENCE DESCRIPTION:					
	GATCTGAATT CTAAAGCGTC	TTTCATTGTT	TACTTTTAGG	ATGAGGAAGT	ACAGACAATT	60
	GGTCAGATAG AACTGTGCCT					
	GGGGAGCAGC CGTCCCCCAA	GCAGGNNGTC	TGGCTGGCAA	ATGGGGCCGC	CGAGAGCCGG	180
30	GGTCTGAGAG TCTGTGAAGA	TGGCCCAGTC	TTCTATCCCC	CACCTAAAAA	GACCAAGCAT	240
	TGATGCCCAA GTTTTGGAAA	TATTCTGTTT	TAAAAAGCAA	${\tt GAGAAATTCA}$	CAAACTGCAG	300
	CTTTCTAAAA AACAAA					316
35	SEQ ID NO:3652					
	SEQUENCE LENGTH: 374					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear CLONE: HUMGS04307					
40	SEQUENCE DESCRIPTION:					
	GATCCTTGGG TTGTAAAGAG	AGTAGAAACC	CTAGGNAGCA	GTGCTTTTGG	GTCCTAGAAC	60
	CTGTTGAGTT TCTAATGAAT		•			
	GTGGCTTATG AATCCTGTNA	AGCTCATTTA	TGGNCTAGTG	TAAAACAATG	TGAAGCTCTA	180
45	CTAAGINCTG TCCTTAATCA	TAAATAATAG	CCCCTTGNGG	NCTAGCCTGT	CCTCTGGTCA	240
	CCTTACCAGT TGGGTTGCAC					
	AGGNGNTAGT CTNTCCAATC	ATGNCATAGN	TTTCATCTGG	TTTTTGNCTG	GTGGACGNAC	
	CTTCGGANTA ANTN					374
50	SEQ ID NO:3653					
	SEQUENCE LENGTH: 316					

5	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS04308 SEQUENCE DESCRIPTION:
	GATCAGGACC AACCTGGAAA ATGCCAGATT TGGCTATGCT TTTTAANACA TTNATTTGGA 6 CAGCTCACCA ACCCCTGAAG GGGCCGTTAA GCCTGGTTAG TTTTNTACCT ACTCCGAGTN 12 TCCTCCCCTG CCCCACCAGA TTGCTGCAGG GGCGGGGTGT GCCTGGNAGC CAAATTNTTG 18
10	ACACTTCTTT TTTCCTATGC ACTGGTTTTA CACAGCTGTN ATTTTTNTTT CAAAATTGCA 24G GCAGTCCCAC AAGATGTNTG CATTTGGACA AATAGTACTT AAAAACAAAN CAAACAAGCA 30G CTCAGCCCAG TTCCTN 316
15	SEQ ID NO:3654 SEQUENCE LENGTH:315 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS04309
20	SEQUENCE DESCRIPTION:  GATCTAATGC AGAACTTATC AGATATTGTG AAAAATCAGT GTGGGAGGTA TTCAGTCAAA 60 AGTCAGAAGG AAATGTATTA TCGTTATAAT TTCAAACCTT AAGAAAGCCT AAATTACCAA 120
25	TTGCATATCA AATTTTTTTG ATAATGTAAG GAAAACTTAA ATCCCCTCCA TATCCTAATT 180 GGCATTTATA ATAATATGAC ACTTAACCCT GACAGCTAGA GTCTTACTTT ATGCTAATGC 240 TAGATATCTA TTTTNAANTT CCACGTGTGT AAACATGCTA TACTCTTCTG ATATTAANCT 300 TACTAAGTAC ATAAA 315
30	SEQ ID NO:3655 SEQUENCE LENGTH:315 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
35	CLONE:HUMGS04310 SEQUENCE DESCRIPTION: GATCCAAGAA GAACTAGAAA AAAAGTTGTT TGCAGGCTTG CAACCTCTCA NAAATTTTAA 60 GGCTAGCTCT TCAACTATGT CTTTNAAAAA GAATATGTCT GCCCACAGCA GCCAGAAGTG 120
<b>40</b> ·	ACAGCATTCT TGTGAATGTT TACATCCTGC TGCTGATAGG TTCAAGGAAT TCTTTAAACC 180 AGATTCTGCT GACATGAGAA GCTCCAGTGA TTTGTTTTTT TGAAGGTCTG TATCAGAGCA 240 AGCCTAACAT CTAAATAANG TTTGATTCTG GATTTTCCAG GTGGGAAATA AATAAAGAAA 300 ATTTGGCTTG TCAAA
<b>45</b>	SEQ ID NO:3656 SEQUENCE LENGTH:347 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
50	CLONE: HUMGS04311 SEQUENCE DESCRIPTION: GATCCGTGCC CGCNTCCAGG AGAAGTTGTC ACCTCCCTAC AGCTCCCCAC AGGAGTTTGC 60 CCAGGATGTG GGCCGCATGT TCAAGCAATT CAACAAGTTA ACTGAGGACA AGGCAGACGT 120

	GCAGTCCATC ATCGGCCTGC	AGCGCTTNTT	NGAGACGCGC	ATGAACGAGG	CCTTCGGTGA	180
	CACCAAGTTC TCTGCTGTGC	TGGTGGAGCC	CCCGCCGATG	AGCCTGNCTG	GTGCTGGCCT	240
	GANTTCCCAG GAGCTGTCTG	GTGGCCCTGG	TGATGGNCCC	TNAGGCTGGG	GGCCCCATGG	300
5	TCAGCCCAGN NTGGGTTCTG	TTCTNTGGNN	CTTGTCANNC	NNAANCN		347
	SEQ ID NO:3657					
	SEQUENCE LENGTH: 313					
10	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS04312					
	SEQUENCE DESCRIPTION:					
45	GATCATAACT GAACCAGAAT					
15	GGTATAGGAA CACACAATGA					
	ACTACACTGC AAGACTTAAA					
•	AGGGTATAAN ANTATACATA					
	AACTTCCATG ATATTTATNA	TTTNGTAGAG	ACATTTGTGA	TTGTNTAGAG	TTCTNGTNTT	
20	TNTTCTATTT ATN	•				313
	SEQ ID NO:3658					
	SEQUENCE LENGTH: 307					
	SEQUENCE TYPE:nucleic	acid				
25	TOPOLOGY: linear			•		
	CLONE: HUMGS04313					
	SEQUENCE DESCRIPTION:					
	GATCTTAAAA GTGGAAAGCA	GAAAAAATAC	TGTTTCCTGA	AATTNAAAAG	TTTTGGCAGT	60
30	GCCCAGCAGG CCCTCAACAT	TCTCACAGGC	AAGGACTGGA	AGCTGAAAGG	CAGGCATGCC	120
	CTAACCCCCA GGCACGTCCA	TGCCTGGNTC	AGAGGCTTAC	CACCTGANTC	AACAAGGCTC	180
	CCAGGGCTTC GTGTTGTACC	TCCCCCCTTT	GAACAGGAGG	TCTTGCAGAC	TCTGAAACTG	240
	GACCACCCGA AGATAGCAGC	CTGGCGCTGG	ANGCCGGAAG	ATTGGAAAGC	TCTACAACAG	300
35	TTTGTGN					307
	SEQ ID NO:3659					
	SEQUENCE LENGTH: 306					
	SEQUENCE TYPE:nucleic	acid				
40	TOPOLOGY: linear	•				
	CLONE: HUMGS04314					
	SEQUENCE DESCRIPTION:					
	GATCCCCAGA GAGGTGGCCC	TGGACCTGGA	GTCAGGAGGC	GGTGTCCAGA	AGAGTCGCTC	60
45	ATCAACCCCG GGTTCAAGAG	TAAGAAACCA	GCTGGTGGCG	TGGACTTCGA	TGAGACCTGA	120
	AGGTGCAGCA CAAGCGTGGC					
	AGGCCCCCAT CAGAGACCCC					
	CACGGCTCCT CAAATTCCTT	CCCTGTCAAA	TAAACAGCTC	CCTTGGTTGG	AGGCTCTNGT	300
	GGGAAA					306
50						
	SEQ ID NO:3660					

5	SEQUENCE LENGTH:371 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO4315 SEQUENCE DESCRIPTION:	acid				
	GATCCCCTGA GCAAGTCAGA	AGTTACTCTC	ATCAGTCGTT	CATGGTCACA	ACCTGAGGTA	60
	CTCTGCTGAG TGGGCAAGGC					
10	AGAGCAGGGC AGGCAGTTCT	ATGCCTTGGA	GCTCCTGACT	GCAGGGACTC	TGTCCCCACA	180
	CTCAGAAAGA CTCAGCTCAC	TCAATGAGAG	AATGTGATTT	ACTTTATAGA	ACGTATAATC	240
	AACTTTGTTG AATAATTTGT	TCTATTAAGG	CTGTCTAAAG	TATGTNATGT	CTTCATCATA	300
	GTATGAAGTG TTGAAAATTA	ATAACGGCC	TAGTTTAGGA	AAAAGCTGCT	TAAANGNGTG	360
	TGGCCCGTAN N					371
15						
	SEQ ID NO:3661					
	SEQUENCE LENGTH: 304					
	SEQUENCE TYPE:nucleic	acid				
20	TOPOLOGY:linear	•				
	CLONE: HUMGS04316					
	SEQUENCE DESCRIPTION:					
	GATCTGTATT GATATTTGAT					60
25	TTCCTCTTAC TTGTTTATTC					
	AAAAACTCAG AAAAATTTTT					
	TTTAACATTT TATAATATNG					
	CAAGCATTAA AAAAATCTCT	TAGCAAAGCT	GCACAGCCTT	CTTCATAAGG	GTTCTCTATA	
	TTTN					304
30	CEO ID NO. 2000					
	SEQ ID NO:3662 SEQUENCE LENGTH:303					
	SEQUENCE TYPE:nucleic					
	TOPOLOGY: linear	acid				
35	CLONE: HUMGS04317			÷		
	SEQUENCE DESCRIPTION:					
	GATCTGCGGT GGGCCAAGAG	TATCCAGGGA	CAAACCTCTC	CCTGGCAGGG	CTGGAGCAGG	60
	GACACTCCAG GCCCAGCTGA					
40	TCAGGACCCT GGAGGTGGGA					
	AGAAGCAGTG GGTGGTCCAG					
	TGTTTCCAGT TGTGGCAAGG					
	AAN					303
45						
-	SEQ ID NO:3663					
	SEQUENCE LENGTH: 302					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
50	CLONE: HUMGS04318					
	SEQUENCE DESCRIPTION:					

5	GATCTGAAAG ATTACATTTA AAGTCACATT TTCAAAACTT TCTTAATTGT CTTCATGCCG GTAATNATTT GTAATTTAGT AATCAATTTT ATGGTATTTT GN	CATGCATATT TCCATATTTA GAAGGAGACT	GTATTCTTGT ACAAACATTG AGGGGATGTT	TGGAAATAAG CAAGTCCTTT TTCTTCCAAA	TCCTATAGTT TTATATTTGG GGGAATTTAA	120 180 240
10	SEQ ID NO:3664 SEQUENCE LENGTH:301 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
15	CLONE: HUMGS04319 SEQUENCE DESCRIPTION: GATCCTCTCA GAGTGCCAGG AGCAGCTGGA AGATGCCCGC ACCTGGTCCT-GCGCCTGAGG	ACTCTTTNTG	ACTACAACAT	CCAGAAAGAG	TCGACCCTGC	
20	AGTGATGGCA TTACTCTGCA TTTCAGTAAT AGCTGNACCT A	CTATAGCCAT	TTGCCCCAAC	TTAAGTTTAG	AAATTACANG	240
25	SEQ ID NO:3665 SEQUENCE LENGTH:300 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
30	CLONE:HUMGS04320 SEQUENCE DESCRIPTION: GATCTGAAAA ATGAAGTTTG TTCAAATCTG ACTGTTTCCC GAAGANGAGT TTACAACAGA	ATTACCTGCT	GAAGTATGTC	TCCTGTTTCT	TTTCAAAGAG	
35	CATAAACCAT CACCTAGCAG GGCATTGATG ATGCTTATTT	GCTGTCAACA	GGTGCATCTN	CTGATGCTGT	CTGGGNTAAT	240
40	SEQ ID NO:3666 SEQUENCE LENGTH:300 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS04321 SEQUENCE DESCRIPTION:	acid	·			
45	GATCACTNAA TGGTCAAGTG CTTAAGGGAG GCTAATTTT CCGCATCCTT GGCCCTCTGG TGACCAGAAT GCTCTTCATG	AATTTAAACT ACATTATCAC TAGCTTATAC	GCTCGAGATA TAAATTGCTT AGTTGGTTCA	TGAGTTCTGC GTGCCTGTTA CTTCATGCGG	AAAAGGTGGT ACAAGAATAC TTCTTGACAT	120 180 240
50	GTTTATTTCT ACCCTTAATG SEQ ID NO:3667	CAATGAAATG	TTTCATTAAT	AAAAAACCAC	TTTATATAAA	300

	SEQUENCE LENGTH: 417
	SEQUENCE TYPE: nucleic acid
	TOPOLOGY: linear
5	CLONE: HUMGS04322
	SEQUENCE DESCRIPTION:
	GATCTTTCTG GCTCCACTCA GTGTCTAAGG CACCCTGCTT CCTTTGCTTG CATCCCACAG 60
	ACTATTTCCC TCATCCTATT TACTGCAGCA AATCTCTCCT TAGTTGATGA GACTGTGTTT 120
	ATCTCCCTTT AAAACCCTAC CTATCCTGAA TGGTCTGTCA TTGTCTGCCT TTAAAATCCT 180
10	TCCTCTTTCT TCCTCCTCTA TTCTCTAAAT AATGATGGGG CTAAGTTATA CCCAAAGCTC 240
	ACTITACAAA ATATITCCIC AGTACITIGC AGAAAACACC AAACAAAAAT GCCATITTAA 300
	AAAAGGTGTA TTTTTCTTT TAGAATGTAA GCTCCTCANG AGCAGGGACA ATGTTTTCTG 360
	TATGTTCTAT TGTGCCTAGT ACACTGTAAA TGCTCAATAA ATATTGATGA TGGGAAA 417
15	THE MANDED AND THE TRANSPORT OF THE TOTAL PROPERTY OF THE TOTAL PR
	SEQ ID NO:3668
	SEQUENCE LENGTH: 298
	SEQUENCE TYPE: nucleic acid
20	TOPOLOGY: linear
20	CLONE: HUMGS04323
	SEQUENCE DESCRIPTION:
	GATCTCTGAA AGCTCAAATG GATGGAATTT AGTTTGCGGG AAAGAGGCTT TGCTTTGCGC 60
	ATATCAGGCT TAGGACTGTG GGAGGCTTAA GAAGCAGATG CTTCTTTNAT TGTACTCTTG 120
25	TNCTGCCCTT GTTTTTTGAA GGCTCTGACT TATAACTNCT GTATCAGAAG AAACATTTTG 180
	ACAGTGTCTT GGTTGGAGAT GAACATCCCT AATTGACATG TGATGACTAT TTCTNATTCC 240
	ATTCATCTAA GAGTCATTGA AATTTTGTTT TGCTTGTTTG TTTAGCTTCA AGGTCTTN 298
	230
30	SEQ ID NO:3669
	SEQUENCE LENGTH: 294
	SEQUENCE TYPE:nucleic acid
	TOPOLOGY: linear
	CLONE: HUNGSO4324
35	SEQUENCE DESCRIPTION:
	GATCATCTCT ATATCTAATT TGTATTATNA CTAATCTTAT TCCAACTATT TNCTTTATNA 60
	TACTGAAACA GTTTGTNCCT TCAGTCTCTG CTTCGGCTAC CTAAAAGGGA AGGGCCCCCT 120
	ATCCTGTAAT CACATGACTT ACTTCACCTT GTCAATCACT GAGAAGATTC ACCCTCCTTA 180
40	CCCTGCCCCC TTGTCTTGTA TGCAATAAAT ACCAGTGGGC CTAGCCCTCT GGGACCACTA 240
	CCGGTCCCGG GGTCTTGATG GTAGTGGNCC CANAGCCCAG CTTGCNTNCN CAAA 294
	CRO ID No come
	SEQ ID NO: 3670
45	SEQUENCE LENGTH: 293
	SEQUENCE TYPE:nucleic acid
	TOPOLOGY: linear
	CLONE: HUMGS04325
50	SEQUENCE DESCRIPTION:
	GATCAAGAGG CCACCAGTTG TACTTCAGCA CCAATGTGTC TTACTTTATA GAAATGTTGT 60
	TAATGTATTA ATGATGTTAT TAAATACTGT NCAAGAAGAA CAAAGTTTAT GCAGCTACTG 120

	TCCAAACTCA	AAGTGGCAGC	CAGTTGGTTT	TGATAGGTTG	CCTTTTGGAG	ATTTCTATTA	180
	CTGCCTTTNN	NTNCTNACTG	TTTTATTACA	AACTTACAAA	AATATGTATA	ACCCTGTTTT	240
	ATACAANCTN	GTTTCGTAAT	AAAACTTNTC	CCTTTTTTTA	AAATGNAANT	AAA	293
5							
	SEQ ID NO:3	671					
	SEQUENCE LE	NGTH:292					
	SEQUENCE TY	PE:nucleic	acid				
	TOPOLOGY: 1 is	near			•		
10	CLONE : HUMGS	04326					
	SEQUENCE DE	SCRIPTION:					
	GATCTATAGT A	ATTTTAATGT	GCATCTACTT	TAAATNAGTC	ATCTTGGGGT	TTTNATAATT	60
	CCCTTATGTT (						
15	TTCTCTTATA						
	TCATAGTTGT A						
	NATTTTNGCA 1						292
				44141.2140	000		272
20	SEQ ID NO:36	572	-				
	SEQUENCE LEN	NGTH: 291					
	SEQUENCE TYP		acid				
	TOPOLOGY: lir						
	CLONE : HUMGSO						
25	SEQUENCE DES	SCRIPTION:					
	GATCAAGGAT (	CAACCTCAG	GTTGAGAAAG	AAACAGGGTT	CCCTGGGCCC	ATTAGACTGT	60
	TTGCAGGGCA 1						
	TGGAAATNAT A						
	ATGNNNACTT A						
	TTTNATAATT 1						291
	SEQ ID NO:36	673					
	SEQUENCE LEN	NGTH: 291					
35	SEQUENCE TYP	E:nucleic	acid				
	TOPOLOGY:lir	near					
	CLONE: HUMGSO	)4328				4	
	SEQUENCE DES	SCRIPTION:					
40	GATCTAAAGG C	CTCTGGNTTT	GCCTTCTTTC	AGTCTGACAC	TGACTAACAA	CCTCGACAAG	60
	GTGGGCATAT A	CCTGGATTA	TGAAGGAGGA	CAGTTGTCCT	TCTACAATGC	TAAAACCATG	120
	ACTCACATTT A	CACCTTCAG	TAACACTTTC	ATGGAGAAAC	TTTATCCCTA	CTTCTGCCCC	180
	TGCCTTAATG A	TGGTGGAGA	GAATAAAGAA	CCATTGCACA	TCTTACATCC	ACAGTAATGA	240
45	GTCATAATAT I	TTAAAAATT	CAGAGTGTTA	TTAAAGAGGT	TTTGAAATAA	A	291
•	SEQ ID NO:36	574					
	SEQUENCE LEN						
	SEQUENCE TYP		acid				
	TOPOLOGY: lin						
	CLONE: HUMGSO	-					

	SEQUENCE DESCRIPTION:					
	GATCCCAAAA GCTGTTTTNA	GGTATAAGGA	CAAGGAGAGG	AGACAAGTGA	CGACAGCCAT	60
	TCCCCTTTGC AGCTATCTAC	TGTAGTGACA	GCCATTTCTT	GGTTGATGGG	TTGGAAGTCA	120
5	TCAGAGGTTT GAAGAATTAC	ACTGGCCTTT	GTTTTTCNNG	AAATGCCGAC	CATGGAGATG	180
	CTTTAGAGTC TTCTCAAATA	GCTTAGATGT	TGTAATGNGG	TTAAGCTTTG	CTTCATAAAA	240
	CAGGGGCCCT CAGAAGTTCT	CCTTTAAATT	TTTCANATAA	AAAATTTAAA		290
10	SEQ ID NO:3675					
	SEQUENCE LENGTH: 288					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
15	CLONE: HUMGS04330					
-	SEQUENCE DESCRIPTION:	111CCCCCC	************	0.T.CTTCTTTT	CCCTTC+CCC	co
	GATCTATCCC TGTCTCACTG TGGNNTTTCC TATCCTCCCA					
	CCCAGTCACC AGGGTGGGGG					
22	GTGGGCTTTC TGCTTAGTCT					
20	ATAGATTTTT TTTGTGTGTG				IAACIICAAC	288
		Iddamataan	TOTUCARTIU	dumonum		200
	SEQ ID NO:3676					
25	SEQUENCE LENGTH: 285					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS04331					
30	SEQUENCE DESCRIPTION:	CCTT 1 TCTT 1	**********	10101010	T1T1C111TC	co
30	GATCAACCCC TGACCTAATC					
	CACTGTGAAA ATCCCTATCC GTCATGTACC CCCTGCTTGC					
	TGTGAACCTT TAAAAGGGAC					
	GTCTTGCCAA TGCCCCTGGC				Idnunchoun	285
35	01011000.21 1400001040	10111111111100		117001		200
	SEQ ID NO:3677					
	SEQUENCE LENGTH: 285					
	SEQUENCE TYPE:nucleic	acid				
40	TOPOLOGY:linear					
	CLONE: HUMGS04332					
	SEQUENCE DESCRIPTION:					
	GATCACAAAA ATGGAACCCC					
45	TGTCATTCTT ATAAAAAAGT					
	ACTGACTCTG CTAGGTGGTG					
	CTTACTGTGT GAAAAATATA TATAGAGCAG CATCAGTTCA				AAGTACCTCA	240 285
	ININUNUCAU CAICAUIICA	AACIGIGCAI	LATUAUUAUU	AUCAN		483
50	SEQ ID NO:3678					
	SEQUENCE LENGTH: 282					

5	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO4333 SEQUENCE DESCRIPTION:	acid				
	GATCTCTGTG TTTGCAGTCA	AAGGGCGGCT	CACACATGGT	CAAGTATTAT	AAATNTCCTG	60
	TGTATCTNAC AATGGAATCT					
	TAAGTGAAGC TTAATAATCT					
10	CTCCTGTAAT CTCAGCATTT					
	TCAAGACAAA CCTAGGCAAC					282
	SEQ ID NO:3679					
	SEQUENCE LENGTH: 280					
15	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS04334					
	SEQUENCE DESCRIPTION:					
20	GATCTGAGGT GATATGTTCT	GAATGTAAGC	ACCGTCAACA	TCAGACACCT	ACTCATGGAC	60
	ATGTGGTTGC CGGATTTTCT	TAAGATGTTT	CCAGAAATGA	CTGATATTTT	ATATTTATAC	120
	ATTTTAGATG ACAAAGCTTG	$\mathbf{ATATTTATTG}$	CTGTCGCACA	TTTTAAAGTT	TTCTTTTTGG	180
	GTTGCTCTGT GNCANGGCGT	${\tt GGTTACATGG}$	${\tt TGNTAAATCG}$	GTACCTGATA	ATGTACCCAA	240
25	ATACTATGGC CAGATAATAA	ATTGNGGTGC	AAACAACAAA			280
	SEQ ID NO:3680					
	SEQUENCE LENGTH: 278					
	SEQUENCE TYPE: nucleic	acid				
30	TOPOLOGY: linear					
	CLONE: HUNGS 04335					
	SEQUENCE DESCRIPTION:					
	GATCACTGTG CAGTGGGACC	ACCCTCACTG	GCCTTCTGCA	GCAGGGTTCT	GGGATGTTTT	60
35	CAGTGGTCAA AATACTCTGT	TTAGAGCAAG	GGCTCAGAAC	NCNNNAATAC	TGTCATGGAG	120
	GTGCTGAACA CAGGGNNGGT	CTGGTACATA	TTGGAAATTA	TGAGCAGAAC	AAATACTCAA	180
	CTAAATGCAC AAAGTATAAA	GTGTAGCCAT	GTCTAGACAC	CATGTTGTAT	CAGAATAATT	240
	TTTGTGCCAA TAAATGACAT	CAGAATTTTA	AACATAAA			278
40	SEQ ID NO:3681					
	SEQUENCE LENGTH: 277		•			
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
45	CLONE: HUMGS04336					
	SEQUENCE DESCRIPTION:					
	GATCANAGAN TNACAACTGT	TCATTATAGT	GGTGCCTTAG	GCAATCTTTN	CAAAGTAAAT	60
	TCAGGGCCCC ATTGCTACTT	ATGCCATATT	TGGACATACT	TTTTTTTTCT	TCAATTTTGT	120
50	AAACTTCCTG GAAAGCTGTC	TTCACTAAGT	ATCCCCNAGT	CTCTATCTAT	GNGGNTAGTA	180
50	GTCATGGAAA TAACACATAA	AGTACGCCAG	NAGTTNGNTG	GAACGTGTTA	GAAACTGTTT	240
,	TGTGCTTTNA TGGATGTCAT	ACTTGNCANT	ACATGTN			277

5	SEQ ID NO:3682 SEQUENCE LENGTH:275 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO4337 SEQUENCE DESCRIPTION:	acid				
10	GATCTTTCTT TACTTGATGT CTGAATGCAA GCTTTCCAAA TGTNCTGTAT TAAAATTAAT TTNTTTTTAG TTGTTTTAAT TGAAATTNTC CATTAAATCA	ANTNTTCATA GTGCTTTGTT GGTAAGAATT	AAAAANAGCT GGGGTTTAAT AAGACATTTT	TTACTCAGTG TTTGGNATTG	ACTTAATATA GTTTTGGGTT	120 180
15	SEQ ID NO:3683 SEQUENCE LENGTH:269 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
20	CLONE: HUMGSO4339 SEQUENCE DESCRIPTION: GATCTCCGCA GTCTTCAGCG					
25	GAGCTCCACG GCCCCTTCAG ANACAGATGG AGTCCTTCCT GGCGNCTCCT GACCGTCGTC TGTGTAAATA CAGTTTTTGC	GAAGGCAAAC TCCTCACTCC	ATCCTGGGTC	TCGCCGNCGG	CCAGCGCTGT	180
30	SEQ ID NO:3684 SEQUENCE LENGTH:266 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO4340	acid				
35	SEQUENCE DESCRIPTION: GATCAGGCCA GTAGGTTGTG GCATTGACCA GACCATCCGA CAAATGGAAA TAATATGGCC ACCTCCTCAA GTAATGGAAC	AACCTGCGTC GGTTGCGGTT GATTTCAAAG	CCTGGTGATG GTAGGAGAGT	TTCTCAAGCC TGTGACTTAG	TCGGAAGTGG GCAGGAGTCG	120 180
40	TGAATAAAGG TGCCTGAAAT	CCTAAA				266
45	SEQ ID NO:3685 SEQUENCE LENGTH:266 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO4341 SEQUENCE DESCRIPTION:	acid				
50	GATCTACTTT CAGGATTATT TNTAGATGCT GCGACCCTGC					60 120

	GACGCAGCTC CCTCTGACA	GTGTCTCTGC	CCTTAACCAA	GACAGAAAGG	GGGTAAATGG	180
	AGGATTGGNT TACTGTCTT					
	GANTAAACTC CTTTAAACTT					266
5						
	SEQ ID NO:3686					
	SEQUENCE LENGTH: 270					
	SEQUENCE TYPE:nucleio	acid				
	TOPOLOGY:linear					
10	CLONE: HUMGS04342					
	SEQUENCE DESCRIPTION:					
	GATCTCCTTC AGTNGTCTAC		CATTGTCCTC	CCCTAGAATA	ACAGACTACT	60
	TGGTAGTCAT GGCCAGAAGG					
15	GTGACACAAG GAGATAAGTG					
	AGTGGTGATT TTTGTGCAAA					
	ATAAAATATT TTTATTAATT		IIIAAAAAAG	TACCAAGIIC	CIGAAAIICA	
	ALAMATALI IIIAIIAAII	IIAAIGGAAA				270
	SEO ID NO. 2007					
20	SEQ ID NO:3687 SEQUENCE LENGTH:264					
	SEQUENCE TYPE:nucleic					
	TOPOLOGY: linear	acid				
	CLONE: HUMGS04343					
25						
	SEQUENCE DESCRIPTION:	TTC - COTOCO				
	GATCTCAGCT CACTGCAACC					60
	ATGTTTGAGC TATTCCAGGT					
	CTACATAATT GTTTGGATAA					
30	NAACCCTGTG TATCAATNTG		ACATNTTTTT	CTATGTTGAG		
	ATTGATATTG TATATGNCTC	TAAA				264
	SEQ ID NO:3688					
35	SEQUENCE LENGTH: 262					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS04344					
40	SEQUENCE DESCRIPTION:					
40	GATCCTCAGT GCAAAATGTC					60
	CCCAAAGCTT GTAAATATGG					
	GCTTCCAAGA CCATTTGTAG					
	GCGGGGCCTG TCTCAGTGAT		TATTNGTTTG	TAGCTTTCCT	GGAAGTCAAA	240
45	TAAATGTTTC CCCCACTCCA	AA				262
	SEQ ID NO:3689					
	SEQUENCE LENGTH: 256				•	
50	SEQUENCE TYPE:nucleic	acid				
50	TOPOLOGY:linear					
	CLONE: HIMGS04345					

	SEQUENCE DESCRIPTION:					
	GATCTCAAAT GTGAACAGTT	TACTAATGCA	CTACTGAAGT	TTAAATCTGT	GGCACAATCA	60
	ATGTAAGCAT GGGGTTTGTT	TCTGTAAATT	GATTTCTAAT	NTGAAATTAC	TGAACAACTC	120
5	CTATTCCCAT TTTNGCTAAN	CTCAATTTCT	GGTTTTGGTA	TATATCCATT	CCAGCTTAAT	180
	GCCTCTAATT TTAATGCCAA	CAAAATTGGT	TGTAATCANA	TNTTAAAATA	ATAATAATTN	240
	GGCCCCCCT TTTAAA					256
10	SEQ ID NO:3690				٠	
	SEQUENCE LENGTH: 251					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS04346					
15	SEQUENCE DESCRIPTION:					
	GATCTAAAAA GCTGAATAGC	ATGTNAGTTA	CTTGGTTTCA	ACTTGAGTTT	NCTTTTAATG	60
	TTAATAAGAT TGAAACTTTA					
	TAATGAAGCC TGATTTGATT					
20	GTTTTTNTTG TTTGTTTTNC	CTTTTNGTCA	CTGTGGTACA	TTAAAAATTT	NGGGAAGATG	
	CTTTACCTAA A					251
	SEQ ID NO:3691					
25	SEQUENCE LENGTH: 250					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS04347					
30	SEQUENCE DESCRIPTION:	TOGOLOGO	TOCOCCAAACC	CACTCCLACC	100101T10T	60
30	GATCCCAGAC CTGTNGTCTC ACCTAGAAGT AAGANGNNGA					60
	TGTGTTGTGT TTGTAGTCTT					
	ATGATGATGA TGATAATAAT					
	AAACTCGAAA	AAIAAIAAIA	ACAACAACAA	CANCARIANI	AAAUATUTUA	250
35	AAACICUAAA					230
	SEQ ID NO:3692					
	SEQUENCE LENGTH: 248					
	SEQUENCE TYPE: nucleic	acid				
40	TOPOLOGY:linear					
	CLONE: HUMGS04348					
	SEQUENCE DESCRIPTION:					
	GATCTCAGAT AACTCAGTAC					
45	CCGACAATAT ATTTATTTAT			• • • • • • • • • • • • • • • • • • • •		
	ACTTAAGCAA GACCCTTCTG					
	GTTTAAANCA TGTCAACCTT	ATGTAAGGNN	AANTTTCCTG	GTCCAANTAA	NGTTGANGTT	
	TAAGGAAA					248
50	SEQ ID NO:3693					
	SEQUENCE LENGTH: 248					

	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS04349	acid				
5	SEQUENCE DESCRIPTION:					
	GATCCTGGTT GGAAGGATGG	GGACTCTCTC	AAGGGGCTTT	GGAAGAGCTC	TTCTAGCCCT	60
	TTATAAAAGG AGGGCAGCAG					
	AGGGCCCCCC ACCCCCATCT					
10	GGGGTTGAAG ACCAGGCCTG	GTTTTATTAG	AATTCATTTT	GTAATAAAAG	CCTTTTTTAG	240
	TGGTGAAA					248
	SEQ ID NO:3694					
	SEQUENCE LENGTH: 248					
15	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS04351					
	SEQUENCE DESCRIPTION:	-				
20	GATCCTATTT TNATGAAATG	TCCAGAACAG	GCAAATCCAC	AGAGACAGAA	ACTAGACGAA	60
	TGGTTGCCTG AGGGTGAGGG	GAAACAGGGA	GTGACTGATG	ATGGGTTTTG	TGTGGGGGCA	120
	ATAGAATGTN CTAAAATTTG	ATAGTAATGG	TTATACAACT	CTGAATATAC	TAAAAGCCAT	180
	TGTACACACG TTAAAAAGGG	TGGATTGTAT	GTGAATTCTA	TCTCAATAAA	GCTGTTCAAA	240
25	AATTCAAA					248
	SEQ ID NO:3695					
	SEQUENCE LENGTH: 245					
	SEQUENCE TYPE:nucleic	anid				
30	TOPOLOGY: linear	aciu				
	CLONE: HUMGS 04352					
	SEQUENCE DESCRIPTION:					
	GATCCACTCC GCCATCGATG	CATCCCAGAC	CCCCGATGTC	GTGTTCGCAA	GCATCCTAGC	60
35	AGCCTTCTCC AAAGCCACAT	GTAAAGACTT	GGTTATGTTT	ATCTAATGTT	GGGTCCAAGA	120
	AGGAATTTCT TTCCATCCCT	GTNAGGCAAT	GGGTGGGAAT	NATAGGACAG	GCAAAGAGAA	180
	GCTTCCTCAG GCTAGCAAAA	ATATCATTTN	ATGTATTGAT	TAAAAAAGCA	CTTGCTTGAT	240
	GTAAA					245
40	SEQ ID NO:3696					
	SEQUENCE LENGTH: 243					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	4014				
45	CLONE: HUNGS 04353					
	SEQUENCE DESCRIPTION:					
	GATCTCAAAA CCACTATTTT	TATTATTTCA	TTATTTTCA	GAGGCCTTAA	AATTCTGGAT	60
	AAGAGAATGG AGGAAAATAC					120
	TTACTTCTAT GTTTTNATTG					
50	NCTTCATCCT AATAAGGATA					
	AAA		•			243

5	SEQ ID NO:3697 SEQUENCE LENGTH:241 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS04354 SEQUENCE DESCRIPTION:					
10	GATCTNTCCA CGGTAGCACT	TGNCCTTTTC				
	CGCTGCCGCT GCCGNTGCAC					
	TATTATAATA TAATATGGAA A	CCTTCCCTCC	AAATTNTTCA	NGTAAAAGGT	GGCTTTTCAA	240 241
15	SEQ ID NO:3698					
	SEQUENCE LENGTH: 239 SEQUENCE TYPE: nucleic					
	TOPOLOGY: linear	acid				
	CLONE: HUMGS04355					
20	SEQUENCE DESCRIPTION:					
	GATCAGCACT GCACTNTTAG	CTGAGAGTGC	GGGCAAGACA	TAAACTGTCC	AGAGTTTNAA	60
	GNTTCTNGGA AAGACCGGAG					
	CATGGNTGTG CACCTTAATA	AACCCTGCTG	TCTGCCTCCC	TGACTCTGCT	TCTNNGGAGC	180
25	ATGGTGAGCA GCCCTNGTGC	TCANCAGCCA	TACCTATGGG	ACACACACTA	CGNAAAGGN	239
	SEQ ID NO:3699	•				
	SEQUENCE LENGTH: 236					
30	SEQUENCE TYPE: nucleic	acid				
30	TOPOLOGY: linear	acru				
	CLONE: HUMGS04356					
	SEQUENCE DESCRIPTION:					
25	GATCACAGGT GATTCACACG	TACACACATA	AACACACCCA	CCAGTGCAGC	CTGAAGTAAC	60
35	TCCCACAGAA ACCATCATCG					
	TAAACTGGTC AAAAAACTAA					180
	ATGTGACAAC CNCTAATATT	TATCTAATAA	ATATGTATTC	AGATGAAACC	TGTAAA	236
40	SEQ ID NO:3700					
	SEQUENCE LENGTH: 235					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
45	CLONE: HUMGS 04357					
	SEQUENCE DESCRIPTION:					
	GATCCATCCT TTATCAGGAA					60
	AACCAACTTA TAAAGCATTG					
50	TGTNTTTGAC TTGTGTCTGT					
••	AAAATGACTG TTTTCTCTCT	CTATGGAAAT	AAAAAGGAAG	AAAAAAAAGG	GNAAA	235

5	SEQ ID NO:3701 SEQUENCE LENGTH:232 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
10	AATTCTTCCT AGTTTAATAA GCAAGCTAAA AGTTTTATTT TTTATATTTA GTGCTTAATC 12 TTTGCCTCAT GTTATGTAAA ATTAGCCTGC AGATATTTTC TCTCAATTCT GTAGACTCTC 18	
15	SEQ ID NO:3702 SEQUENCE LENGTH:231 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
20	CLONE:HUMGS04359 SEQUENCE DESCRIPTION: GATCCATCTG AACTATGAAG TGAGTACCTG GAGGAACTCC TACATTTAAG GCTTTCAAAG 6 GTTACAGGCT TTTCGTGTGT GTGTGTGTGT GTGTGTGTGT GTGCGTTTTG AGAAAAATGG 12 AATTCAAACA CTGTNNTTAG AATGTATGTT TACTTATATA GAATTAATGA ATNTATATAA 18	
25	TAATAATNAC TGTATATAAT TNTAAAATAT AATAAAGTCT CTTTATCCAA A 23	
30 ·	SEQ ID NO:3703 SEQUENCE LENGTH:237 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS04360 SEQUENCE DESCRIPTION:	
35	GATCTGGAGT TGAGAGCCAT GGGTTTGGAC ATGACTGGCA CAAACAGCTG TCATATGTTC 60 ATGGTCAGAT GTCATACATT CTCAGCTGTC TTGTTCCACC AGTATTTACC AGGAAAACAA 120 AGAATGTGTT AAGGGATGCT CCCCCACCCC ACATCTTAAG TCAGTGTGCC AAGTACTGAG 180 ATGATTTTAG GGACATTTTA TTTTAAATTA AATTTACAAT CTAATGGTAA ATTGAAA 23	0
40	SEQ ID NO:3704 SEQUENCE LENGTH:231 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
<b>4</b> 5	CLONE:HUMGS04361 SEQUENCE DESCRIPTION: GATCATCAAC AAGATTTCCT TGTGCAAAAT ATTTGACTAT NCTGTATCTT TNATCCTTGA 60 CTAAATTCGT GATTTTAAAG CAGCATCTTC TGGTTTAAAC TTGTTTGCTG TGAACAATTG 120 TCGAAAAGAG TCTTCCAATT AATGCNNNNT TTATATCTAG GCTACCTGTT GGTTAGATTC 180	0
	AAGGCCCCGA GCTGTTACCA TTCACAATAA AAGCTTAAAC ACATTGTCAA A 23	

	SEQ ID NO: 3705	
	SEQUENCE LENGTH: 229	
	SEQUENCE TYPE: nucleic acid	
5	TOPOLOGY:linear	
	CLONE: HUNGS04362	
	SEQUENCE DESCRIPTION:	
	GATCAAAATT GAACCATTGT ACAGTTTGGN TTCTGTTTGC TTCAAAATAT GTAGAATTGT	۴N
40	GGTTGATGAT TAATTTGCGA GACTAACTTT GAGAGTGTAA CANTTTTGAN GAAAACATTG 1	
10	AATGTTTTGC AAATGAAGGG GCTTCACGGA ATGTTACANT GNTACTAATA TAATTGGGCT 1	
	TTNNTNATCC ASSTRICTTIA CAGGAGGET TO ASSTRICT TO THE TOTAL TO THE TAGGAGGET TO THE TAGGAGGGT	29
	SEQ ID NO:3706	
15	SEQUENCE LENGTH: 228	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS04363	
20	SEQUENCE DESCRIPTION:	
20	CATCCCTACC CACCTTCCTT COATCCTTCC CACCTCCAC	60
	CGGTTGCACT ACAGGTAGCT ACTGTGTATT ATGGACAAAT GAGAAATGAA TTCTTTTTCT 12	
	GGCTGTCCAT CTATTTTATT TCAAATAAGG AAAAGTGTAT TTGGATTTTG TGTAAATACA 18	
	TCTAGTGATG NCATTITITC AATGTTTTNA AAAACCGTGT ACAGTAAA 22	
25		
	SEQ ID NO:3707	
	SEQUENCE LENGTH: 228	
	SEQUENCE TYPE:nucleic acid	
30	TOPOLOGY:linear	
	CLONE: HUMGSO4364	
	SEQUENCE DESCRIPTION:	
	GATCCTCATC CAATTGGTGT TTTTCAGAAG TNTTCCAATA TTATGAATTC TGTGTTGTGG 6	0
35	AGAAAAGCAA CCATGCATTT ACTGGTCAAT GCCTTCTTGT ATATGTAATT CAATACTTTT 12	0
	ACTITIAATA TCCTCACCTT ATCTAATCTT TGATTTTTGT CATGTAATTT ATTGCTTCAT 18	0
	TAAGGTTACT TTTTGTTATA CAAAATAAAA GCTGATATCC AAGGCAAA 22	8
	SEQ ID NO:3708	
40	SEQUENCE LENGTH: 226	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS04365	
45	SEQUENCE DESCRIPTION:	
		0
	CCATTCTNAA CATTCTCACT GTAATGCACG ACATTTGANG CACCTGNATG TGCTATCAAT 12	
	CAGGTGGGAA ATTTAGCATT ATATATTGGA AGCATTGAGA AACATTGGTC TNTCATTTCT 18	0
50	ATTTNNTTTT NCCCCTCCTN TCCTCCTCCT GCCCCACANT ATATNN 22	6
50		

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SEQ ID NO:3709

5	SEQUENCE LENGTH: 224 SEQUENCE TYPE: nucleic TOPOLOGY: linear CLONE: HUMGS 04366 SEQUENCE DESCRIPTION: GATCCTGAGA GCTTTGAGAG TTACAGAACT AGACCAGAAG TTCTAACTTC ACTGGTTCCT	GGTGTTGCCA ACATTTGTGG CCCATCTGAA	ATAAATCTGA TTGGCCACAT	ACTCACTTCC GCTTGCTGAA	TGTGTGTAAC	180
	TTCTTCTTCT AAGACAGTGG	TTTTGTTTTT	TGGGTTTTTT	TAAA		224
15	SEQ ID NO:3710 SEQUENCE LENGTH:223 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO4368	acid				
20	SEQUENCE DESCRIPTION: GATCTGGGCA GAATCCGCCA GAAGCACCTG GACTTCTAGG CTAATNATGA TTGCTAATAG CTTNAAAAAC ACAAGGATTA	GATTCCTCCT CTTATGTAAA	TAGTCGCTGC TATTTTNNTT	ATGCAGAATT AACAATTTGG	CTATGACACT	
25	SEQ ID NO:3711 SEQUENCE LENGTH:221 SEQUENCE TYPE:nucleic	acid				
30	TOPOLOGY:linear CLONE:HUMGSO4369 SEQUENCE DESCRIPTION:					
	GATCGTATTC NTNATAAACT					60
	CATTGTTTAT CTTGCTGCTT GTGGAAATGA TTTCTGTGTT					
35	GTTTTAGTTG ACATCATTCT				AIIGIAIIII	221
	SEQ ID NO:3712 SEQUENCE LENGTH:219					
40	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO4370 SEQUENCE DESCRIPTION:	acid				
45	GATCAGTTTG CGAGTTTTGA	TGAGNTTTGT	AAGGTTTNTN	TTTTACAAAC	TATGAATCAG	60
70	CAAATNTTTA AGATTGTACC					
	AATGCATATA ATAAATATTA			CTGTTGGCTA	CATCATTTTG	180
	TGTTGAATAA TAAAGTGCAA	TACNNNCCTT	CTCCATAAA			219
50	SEQ ID NO:3713 SEQUENCE LENGTH:214					

5	SEQUENCE TYPE:nucleic aci TOPOLOGY:linear CLONE:HUMGS04371 SEQUENCE DESCRIPTION:	d			
	GATCATTCTG TATATACATA TTT	TAAATTA TGCAAGCAAA	CTAGGAGGAG A	ATGTNCAAT	60
	TTTAAGGGAT ACCTAATTTC CNT				
	TCTGATATGG GGTGTNTTTA TGA				
10	ANTGTATTGC NCATTTCCTG ACA				214
	OPO ID NO. 2714				
	SEQ ID NO:3714 SEQUENCE LENGTH:215				
	SEQUENCE TYPE: nucleic aci	d			
15	TOPOLOGY: linear	u			
	CLONE: HUMGS04372				
	SEQUENCE DESCRIPTION:				
	GATCCAAAAN ATAAAACTTG AAG	CTATTCT GGAACTAACA	TGGAAAAATG A	AATGGCTAT	60
20	TGTTTAAAAA AATGATAGAA ATA				
	AAACCTGTAA TTGATGACGG CAT				
	GTGGGGGGAG GGGATAATAA ATA			<del>-</del>	215
	0F0 ID NO. 2715				
25	SEQ ID NO:3715 SEQUENCE LENGTH:335				
	SEQUENCE TYPE: nucleic acid	a			
	TOPOLOGY: linear	<b>u</b>			
	CLONE: HUMGS04373				
30	SEQUENCE DESCRIPTION:				
	GATCAAAAGT GAACACCCTG GCC	TATCCAT TGGGGATACT	CCAAAGAAAT T	CCCTCAAAT	60
	GTGGTCTGAG CAGTCAGCCA AAG				
	GGAGAAATAT GAAAAGGATA TTG				
35	GAAGGCCCT GGCAGGCCAA CAG				
35	GGAGGAGGAA GANGNAGATG AAG				
	TATCCTTTAA ATGATGCGTG TGG				335
	CFO ID NO.2716				
40	SEQ ID NO:3716 SEQUENCE LENGTH:211	•			
	SEQUENCE TYPE:nucleic aci	a a			
	TOPOLOGY: linear	u			
	-CLONE: HUMGS04374				
45	SEQUENCE DESCRIPTION:				
	GATCAAATGT GCTGCAGCTT TTG	CAGAAAA CAACTCAGAA	ACACAAAACC C	CCCAACAGC	60
	TCAATTATTA TTTTTTCAAT GTT				-
•	GCCTTTTTT TTGGAATATT GAA				
	TATATTAAAA TTCTGATTAA ATT				211
50					

list.

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SEQ ID NO:3717

	SEQUENCE LENGTH: 390					
	SEQUENCE TYPE:nucleio	acid				
	TOPOLOGY: linear					
5	CLONE: HUNGS04375					
	SEQUENCE DESCRIPTION:					
	GATCAAGAAT TCTACCATCO		TGTGTATAAA	CAATGTTAAA	TACCAGGTAG	60
	ACTCAGTCTT TAAGATATTA					
	AACTTTCCTA TAAGANTATT					
10	GGNTTCACTA GACAAACAGO					
	CTATCAGTAG CTGTTTTTAA					
	CACTTTTTGA GCCCTCATNO					
	GTTAAAAGGC CTATNATTGG			UAUGUATACC	MITITIGGII	390
15	UIIMAAAUUC CIMINAIIUU	ITAAAGGGCN				390
	CEO ID NO.2710					
	SEQ ID NO:3718 SEQUENCE LENGTH:235					
	•					
	SEQUENCE TYPE: nucleic	acid				
20	TOPOLOGY: linear					
	CLONE: HUMGS04377					
	SEQUENCE DESCRIPTION:					
	GATCTTAGAG CTGAGGAATT					60
25	AGGTTGTGCT GTGGACCCAA					
	GGGGGGATGC TTTCGGGGTG					
	TCTATCCNGG GNCCCATTGG	TTNAATTTAA	CAGGCCAGNA	AAGANGGTTG	NTNNN	235
	CEO ID NO. 2710					
30	SEQ ID NO:3719 SEQUENCE LENGTH:209					
30						
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear			•		
	CLONE: HUMGS04378					
35	SEQUENCE DESCRIPTION:	######################################	******		01.0001.01.000	
	GATCTCCTGA GCTCAGGCAA					60
	GTGAGCCACC ATGGGTGGCA					
	NNAAAAATTC AAATTAAAAC		AAIGICCCNI	ITATTAATGA	AGIATITIGI	
40	CANATGGATG TTTTAAAGCT	GIGIAIGIN				209
	SEQ ID NO: 3720					
	SEQUENCE LENGTH: 209					
•	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acıd				
45						
	CLONE: HUMGS04379					
	SEQUENCE DESCRIPTION:		8088 + 80 + C5	1 TO CO 1 CO 1 1	000010100	
	GATCTAGGAT TACTCTGGAC					60
50	TGATTTNATT TNCTCATTTC					
•	GGTAGCAGAT GAGAAATAAT		ICAGAAATAT	LINCUAAACA	CTTTCCTTNA	
	TTTTTCCTTC TGANTAAATA	. GANANCUNN				209

5	SEQ ID NO:3721 SEQUENCE LENGTH:208 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
3	CLONE: HUMGS04380 SEQUENCE DESCRIPTION:					
	GATCCAAGGA ACGTTTGGGG					
10	GAGCAAAANC TGAGGTTCCT					
	CTGCCTGAGT TTCTAGCCTG		CTACAAATTT	CAAGCTTGCT	AGCCCTCACA	
	NTCACATGAA TAAATTCCTT	AAAATAAA				208
	SEQ ID NO:3722					
15	SEQUENCE LENGTH: 208					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS04381					
20	SEQUENCE DESCRIPTION:					
20	GATCCTTTCC CCATGGACAG	TGACAGAGCA	ACTGGGCCGC	AATGGCATAG	GCAGAAGAAA	60
	ATNTAATCAC TCTGGGGGTG					
	ATTTCNTTAC ACATATTTNT	TTGCTTAACC	CAGCATGTNA	GATATATNAT	NTAATCTAAT	180
	AAAAGATACA AACTTATGGG	CACACAAA				208
25						
	SEQ ID NO: 3723					
	SEQUENCE LENGTH: 207					
	SEQUENCE TYPE:nucleic	acid				
30	TOPOLOGY: linear					
	CLONE: HUMGS 04382					
	SEQUENCE DESCRIPTION:					
•	GATCACCCTG GAGCTGTGGC					60
35	CTGTGAGCTC TCACGGCACG					
	AGCAGCNGTT GACTTTTAAA		CCGCTCTATA	TACAGTTTAC	TCTGTTGCTA	
	GAAGGCAGTG GAACATAGGT	ATTTAAA				207
	SEQ ID NO: 3724					
40	SEQUENCE LENGTH: 207					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS04383					
45	SEQUENCE DESCRIPTION:					
	GATCCACGTA CAGTTTGGAT	TTTCCTTCTA	GCCTTCATGT	GTGGCCCAAG	CATCTATTTC	60
	AGACTGTCAT GGTTGGCATT					
	TTTAATTTGT ATGGTTCTTG	TTCTGTTAAT	GCCACTAGGG	ACTATGTATT	CCTGATTCCA	180
	CCATGACAGC TACAGTAAAA	CAGTAAA				207

	SEQ ID NO:3725 SEQUENCE LENGTH:204 SEQUENCE TYPE:nucleic acid	
5	TOPOLOGY: linear CLONE: HUMGSO4384 SEQUENCE DESCRIPTION:	
	GATCAAGCAG GCACTTCAAG CCTCAATAGG ACCAAGGTGC TGGG	GGTGTTC CCCTCCCAAC 6
10	CTAGTGTTCA AGCATGGCTT CCTGGCGGCC AGGNCTTGCC TCCN	
	TTCCGGGTCT CAAGAAGACA AGGGTGCTGG NCCTCCCTAA GCCA	
	CAAAAAGCTN AAAAAAAAAG GAAA	204
15	SEQ ID NO:3726	
15	SEQUENCE LENGTH: 202	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS04385	
20	SEQUENCE DESCRIPTION:	
	GATCTCGAAC TGTACCAAAA TACATGGAGA CTAACAAACA GAAC	
	ACTGAAAAAA AAATTTGTCA CAAAAACTTT GTTGTCATAG TTAA	
	AATTGAATAT ACTCCTTTGA AAATATTTCA TCAAGTATGT TTCC	
25	TTAAAAAAA ANTATGGGCA AA	202
	SEQ ID NO:3727	
	SEQUENCE LENGTH: 219	
	SEQUENCE TYPE:nucleic acid	
30	TOPOLOGY: linear	
	CLONE: HUMGS04386	
	SEQUENCE DESCRIPTION:	
	GATCCAGAAG GCTTACGAGT ATTTTATTAT CTTGTCCAGG ACCT	GAAGTG TTTGGTCTTC 60
35	AGTCTTATTG GATTACACTT CAAGATTAAA CCAATCTAGA CTGA	
	GGGGGGTGGG TGGGAGTAGA AAATTTTGTG TATATCAGGG CAGT	ATTTTT TTATGAACTA 180
	TAAATGATTG TCTTTAATAA ATATGTGATA AAATCCAAA	219
40	SEQ ID NO:3728	
40	SEQUENCE LENGTH: 200	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUNGSO4387	
45	SEQUENCE DESCRIPTION:	
	GATCATATTT AGAGGATATA ACAATTAGAA ATCTAGAAAA TAAT	
	TNTTNAGTCA ACTGTACAAA TAATTACATA AAACATCAAT TAAT	
	TAATNTTCAT AATATATAT CACTATTTGT AATCAAAAGT TTAA AAAAAATGCT TACTTGGAAA	TTTTAT NTNAAAAAAT 180 200
	AMMINITARY TACITATION	ZUL

SEQ ID NO:3729

	SEQUENCE LENGTH: 198					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
5	CLONE: HUMGS04388					
	SEQUENCE DESCRIPTION:					
	GATCAGCCGA ACTCTAGGGA	CTTGGTGTTG	CTTGGAAGGC	ATCCATACCT	GCATTTTGCA	60
	TTCTTCGTAT GTAATCATAT	TGCCAAAGAC	AAACTATTTC	ATCATTTATT	GTAAATAACA	120
10	CTTTTCCCCA GACCTACCAT	AAAGTTTCTG	TGATGTATTG	TCTTCCAGTT	GCAATAAAAA	180
	TTACTGAGTT GCATCAAA					198
	SEQ ID NO:3730					
	SEQUENCE LENGTH: 197					
15	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS04389					
	SEQUENCE DESCRIPTION:					
20	GATCTAAGAT TAATTCCTCA	ACTGTTTTGC	ACTCAACAAA	GACATACCTC	TGAGTTGGCA	60
	ACCAGCAGGG TGGATAACGG	GCCAGTGGTG	ATAAAATCAA	AGAATAGGTA	ATGAAACAAT	120
	CATCCAGTTA ACAATCAGCA	AGGTTCTTCA	GAGCCTAATT	AATGTTTAAT	TCTAAATAAA	180
	TTGCAACAAT TAAGAAA					197
25	··- · ·					
	SEQ ID NO:3731					
	SEQUENCE LENGTH: 197					
	SEQUENCE TYPE:nucleic	acid				
30	TOPOLOGY: linear					
30	CLONE: HUMGS04390 SEQUENCE DESCRIPTION:					
		T00.T.0.TC	ል ምርምር ል <b>ም</b> ምምር	100T00T0TT	CCT1 CC11CT	en
	GATCCAAAAG TTTAAATTAG CTCCATTCCC AAGCATTGCC					120
	GAAATGGAAG AAACCATCTT					
	ATACTGTTTC TTTTAAA	CACAGACIGI	AUGAGAATIC	AACATATAAT	IIUIIAAIAA	197
	•					
	SEQ ID NO:3732					
40	SEQUENCE LENGTH: 195					
40	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS04391					
	SEQUENCE DESCRIPTION:		om i mmmoovim	************************	0505550445	co
45	GATCTAAGGG AGTCCACTAT					
	GCTGGTAATT GAAACCATTT AATNTTGTTG TGTACAAACC					
	CTTTTTGTAT TTAAA	AUMMMMMAAA	MIGIIGOLII	CCAAGIIIII	AAAIAAUAAA	195
50						
	SEQ ID NO:3733					
	SEQUENCE LENGTH: 195					

5	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS04392	acid				
	SEQUENCE DESCRIPTION: GATCCACGGA GCAGAGGTCA CCCAGGATGC TTGTCTCTCA					
	AAAACCGAAA TCTACAATTG					
10	ATTGTGAAAC ATAAA					195
	SEQ ID NO:3734					
	SEQUENCE LENGTH: 195					
15	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUNGS04393					
	SEQUENCE DESCRIPTION:		00147100100	T+CO+N+CO		
20	GATCAACTCC CCCAAGGCCC CACACACACC CTGGACATCA					60
20	GCCAGAGCCA AGAGCCTCTN					
	CTTAAGAAAA CCAAA	NULLUUNUUUN	ddddc Idecc	IUNUIUUNUI	ATTAMAUACA	195
						100
25	SEQ ID NO:3735				•	
25	SEQUENCE LENGTH: 193					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS04394					
30	SEQUENCE DESCRIPTION:					
	GATCCTGTGC CCTAGGAGCA					60
	CACCAAGAGA GACAGAGTCG					
	ACCAACTTCC CCAAAAGGCC	TTGCCGTGCA	GAATTGGCCT	GGTTTAATAA	AGAACAGACC	
35	TGNCCCAAGN AAA					193
	SEQ ID NO:3736					
	SEQUENCE LENGTH: 190					
	SEQUENCE TYPE:nucleic	acid				
40	TOPOLOGY: linear					
	CLONE: HUMGS04395					
	SEQUENCE DESCRIPTION:					
	GATCTGGCCC TCCCCAGAAC	AATCTGGATT	TCACGGAGAC	AGCAACCAGA	AGTTAAACCA	60
45	TGTGACTAAA AATGCATCTG	GCTACTTTTT	CATGTATGTA	TGAGACAGAA	ACTAATCCTT	120
	ACTATCCTAT TAGGATACCA	CTTTTCATTG	CAAAGTTTGT	GTCAATAAAG	TCATTAATTT	180
	TAAACATAAA					190
	SEQ ID NO:3737					
50	SEQUENCE LENGTH: 190					
	SEQUENCE TYPE: puelois					

5	TOPOLOGY:linear CLONE:HUMGS04396 SEQUENCE DESCRIPTION: GATCATAAGT AGTGGAGGAT TTAAAACCAG GCTGGCTGGC TCTTAAGGCC TATGCTCTTA 6 ATTNACCATG TNGAATTAAT TTACCATATT GAATTACACT TATGTNCACC AAGTNAGGCA 12 TTTNGGCAGC CATTGTTTAC GTTTTANTTT TGGAATAATT TAGAAAAGTT ACCAGAGTAA 18 TATGAAAGCN	0
10	SEQ ID NO:3738 SEQUENCE LENGTH:187 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
15	CLONE: HUNGSO4397 SEQUENCE DESCRIPTION: GATCCTCCGC ATCCCGTGCG AGGAAGAAGA TGTGGAGATG AGTGAGGACG CCTACACGGT 6	Λ
20	GCTGACCCGC ATCGGGCTGG AGACGTCACT GCGCTACGCA NNNNNGCTCA TCACAGCTGC 120 CAGCTTGGTG TGCCGGAAAC GCAAGGGTAC AGAAGTGCAG GTGGATGACA TCAAGCGGGT 180 CTNNNNN 180	0
25	SEQ ID NO:3739 SEQUENCE LENGTH:187 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO4398	
30	SEQUENCE DESCRIPTION:  GATCTGGCCC TAAACTTGAA ATACCTCCTG CTCCTTTGGG GACTGGNCTT TGCNAAGAGC 60  ACCTGGGGAG GAGACTGGTG CTAACTAAGC CAGTAAGTAA GTCCACTCTT TGGNTGCAGC 120  TGGTGCAAGG TCTACCCATA CCTTTTTATT TNCAGTGTTT AATAAAANTC CAGTGNGCAA 180  AGACAAA 180	0
35	10	•
40	SEQ ID NO:3740 SEQUENCE LENGTH:186 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS04399	
45	SEQUENCE DESCRIPTION: GATCAAGTTC TGCGNCTGAN GAGGCTGCCA AAAGTCAAAA GNGGGGCCTG GGAAGGCAAG 6 CTCATTCCTC ACAACGGCCT TTCCAGGCCC NGTTTTTCCC TTCCGGCAGC CTCTTGGCCT 12 CTAATTTGTT TATCTNTNGT GTATAAATCC CAAAATATGG AATTTTGGAA TATTTCCACC 18 ATTAAA 18	0
50	SEQ ID NO:3741 SEQUENCE LENGTH:185 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	

	CLONE: HUMGS04400 SEQUENCE DESCRIPTION:					
	GATCTGCCTT CCTGCTGAAA	CTTGTTCCAC	CTCAGTCCCC	TCATCTGTCA	CACGCATGTG	60
5	GGGTGGAGTA GGGAGATGCG					
	GGCAGTCGTG AGGCTGAGAT	GAGAATGCGG	ATTAAAATGC	CTGGCGTGCT	CACCGTAACA	180
	CCAAA					185
	SEQ ID NO:3742					
10	SEQUENCE LENGTH: 182					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS04401					
15	SEQUENCE DESCRIPTION:					
	GATCCCATCT NTACAANAAA					60
	CTAGCTACTC AGGAGGCTAA					
	TGAGCTAAGA ACGTGCCAGT	ACACTCCANC	NNGAGCCACA	AAGTGAGACC	CTGTCTCGCA	
20	AA					182
	SEQ ID NO:3743					
	SEQUENCE LENGTH: 180					
	SEQUENCE TYPE:nucleic	acid	•			
25	TOPOLOGY: linear					
	CLONE: HUMGS04402					
	SEQUENCE DESCRIPTION:					
	GATCAAAGTG GTAAAGACAA	TGTAAAATTT	AACATTTTAA	TACTGATGTT	GTACACTGTT	60
30	TNTACTTAAC ATTTTGGGAA	GTAACTGCCT	CTGACTTCAA	CTCAAGANAA	CACTTTTTTG	120
	TTGCTAATGT AATCGGTTTT	NGTAATGGCG	TCAGAAATAA	AAGGATGCTT	ATNATTCAAA	180
	SEQ ID NO:3744					
	SEQUENCE LENGTH: 179					
35	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS04403	•				
	SEQUENCE DESCRIPTION:					
40	GATCTNCGGA ATGATGAGCA	CACAAGGCGG	GAGCTAGCCA	AGATGAAGCA	GGNGCCGGTG	60
	AACCTGAAGA AGGCAGAGAT	ATGGCAAACA	GGATTNGCGC	TTTTGGNNAC	ATGGAGTGTT	120
	CAGCAAAGAC CAAAGATGGA	GTGAGAGAGG	TTTTTNAAAT	GGCTACGNGA	NCTGCTCTN	179
_	SEQ ID NO:3745					
45	SEQUENCE LENGTH: 178					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear.					
	CLONE: HUMGS04404					
50	SEQUENCE DESCRIPTION:					
•	GATCTGAGTG CCTCAAGATG	<b>GTTTTCAAAA</b>	AAATTTTTTT	AAAGAAAATA	ATTGTATACG	60